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# Evaluation of School VIP Latrine Design and User Preferences and Motivations for Adopting Communal Sanitation Technologies in Zwedru, Liberia

by

Sarah J. Ness

A thesis submitted in partial fulfillment of the requirements for the degree of Master of Science in Environmental Engineering Department of Civil and Environmental Engineering College of Engineering University of South Florida

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Keywords: school sanitation, sub-Saharan Africa, Millennium Development Goals, sustainable development

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#### **ABSTRACT**

This thesis has three objectives as follows: 1) to investigate VIP latrine design and establish if the communal school VIP latrines located on the shared campus of Tubman Wilson Institute (TWI) Junior and Senior High School and J.C. Barlee Elementary School were properly designed and constructed, 2) to explore the user preferences and motivations impacting the adoption of these school latrines, and 3) to develop a framework for factors that influence latrine adoption. These goals were formed by the author in response to her Peace Corps experience working at a high school in Zwedru, Liberia from August 2012 to August 2014 and her personal background in appropriate sanitation and environmental engineering.

To complete the first thesis objective, the author conducted a detailed literature review and then compared accepted guidelines for VIP latrines to the sanitation facilities located on the TWI campus. The literature review investigated proper design of ventilated improved pit (VIP) latrines, school sanitation guidelines, and recommendations for sanitation in Liberia. The research focus latrines were two blocks of six stall multicompartment alternating twin-pit VIP latrines. The author conducted observations of the communal school latrines in order to compare the design and construction of these specific latrines to accepted criteria and recommendations from literature. It was found that the latrine vent pipes, cover slabs, drop holes, and pit design all appear to be designed and constructed per national Liberian and international recommendations. However, the TWI school latrines do not comply with standards for several other latrine design criteria. The latrine superstructures are built with privacy walls located in front of the boys' and

girls' stalls and the entranceway doors do not have air gaps. These two features may impair critical odor-controlling air flow from the superstructure through the pit and out the vent pipe. The siting of the school latrines is also inconsistent with guidelines as the latrines are located too close to the classroom building and to the school's water pump. Finally, the ratio of people to latrines on the shared TWI/J.C. Barlee campus is higher than the recommendation of 20-40 students per latrine, or when necessary 60 students per latrine.

The second research objective was to investigate user perceptions of the communal latrines and identify factors that motivate latrine adoption on the Liberian school campus. The design deficiencies identified in the evaluation of thesis objective one were found to impact the user preferences regarding the school latrines. This is apparent from user comments in the surveys that were conducted with 709 participants (students from grades four to twelve, administrators, faculty, and staff) at the study site. User perceptions of the cleanliness, safety, and comfort of the school facilities were varied. For example, 51% of total respondents (n = 709) expressed that the school latrines were dirty or very dirty, while 48% claimed the latrines were clean or very clean. When asked about the safety of the communal latrines, 52% of survey participants said the sanitation facilities were not safe or very unsafe; 47% asserted that the latrines were safe or very safe. Survey participants also had mixed responses about the comfort of the communal sanitation technology: 51% of the 709 survey participants stated that the latrines were not comfortable or very uncomfortable, while 46% declared the facilities were comfortable or very comfortable. The open-ended survey questions allowed respondents to comment on positive and negative aspects of the communal school VIP latrines. Again answers included various responses, but several key themes arose, including smell and odor, latrine construction components, presence of feces in and around the latrines, the use of the facilities by outside community members, and health impacts of latrine use.

The final thesis objective was to develop a framework of the factors that impact adoption of communal school latrines. The author originally assumed that user preferences and latrine adoption were directly correlated, but survey results suggest that the two factors may be independently influenced. This is based on the usage rates, 77% total survey participants stating that they use the latrines and 88% of these affirmative respondents explaining that they use the latrines daily, multiple times a week, or weekly. Although these adoption rates are quite high, satisfaction rates for latrine cleanliness, safety, and comfort are merely 50%, as previously described. VIP latrine design factors, like odor control and door construction, and communal sanitation facility characteristics, such as operation and maintenance, may prompt latrine adoption. Individual user traits, such as age, gender, and type and availability of household sanitation technology appear to have a lesser impact on latrine adoption. However, the grade level of the student respondents may have played a role in their responses because of the methods in which the survey was administered and the common practice of cheating.

Additional research should be conducted to further understand the factors that impact the adoption of communal sanitation facilities on school campuses. This study accomplished its three main research objectives, yet further research and practical applications must be applied to improve school sanitation in Liberia and worldwide.

#### **CHAPTER 1: INTRODUCTION**

#### 1.1 Global Sanitation

"The importance of sanitation is indisputable. It is a crucial stepping stone to better health: sanitation offers us the opportunity to save the lives of 1.5 million children a year who would otherwise succumb to diarrhoeal diseases, and to protect the health of many more. It is fundamental to gender equality as it protects women's dignity. And it is key to economic development: investments in sanitation protect investments made in other sectors, such as education and health, and bring measurable economic returns." <sup>1</sup>

In 2000, the United Nations (UN) established eight Millennium Development Goals (MDG) with the hopes of eradicating extreme poverty and improving basic quality of life for all people by 2015. Goal 7 was to ensure environmental sustainability, which included one target to halve the proportion of the global population without sustainable access to safe drinking water and basic sanitation. The 2014 Update Progress on Drinking Water and Sanitation by the WHO/UNICEF Joint Monitoring Programme (JMP) states that the MDG sanitation target is unlikely to be met. In fact, worldwide in 2012, 2.5 billion people did not have access to improved sanitation, a decrease of only 7% from the 2.7 billion that lacked access in 1990 (WHO/UNICEF JMP, 2014a). In this same year, it is estimated that 280,000 diarrhea deaths were caused due to inadequate sanitation (Prüss-Ustün et al., 2014).

As the MDG 2015 deadline approaches, it is apparent that new goals and targets must be developed. The UN is now generating Sustainable Development Goals (SDG) which will build

<sup>&</sup>lt;sup>1</sup> World Health Organization and United Nations Children's Fund Joint Monitoring Programme for Water Supply and Sanitation (JMP). *Progress on Drinking Water and Sanitation: Special Focus on Sanitation*. UNICEF, New York and WHO, Geneva, 2008.

upon the successes, and improve upon the shortcomings, of its predecessor MDG. Generated by UN working groups, with input from numerous international consultants, 17 provisional goals have been proposed for the SDG, which will be officially introduced September 2015. Proposed goal 6 aims to ensure availability and sustainable management of water and sanitation for all (UN, 2014).

#### 1.2 Liberia Background

This thesis research focuses on the design and user preferences regarding communal ventilated improved pit (VIP) latrines located on a school campus in Zwedru, Grand Gedeh County, Liberia, West Africa. Liberia is a coastal West African country bordering Sierra Leone, Guinea, and Cote d'Ivoire. A map of Liberia can be found in Figure 1. Although the country is petite, at just over 111,000 square kilometers, it is home to approximately 4.2 million people from diverse ethnic tribes. From 1989 to 2003, Liberia suffered two destructive civil wars. A peace agreement was signed and ended the war in 2003, but damage to the nation's economy and infrastructure remained (CIA, 2014).



Figure 1 Map of Liberia. The school latrines discussed in this research are located in Zwedru, Grand Gedeh County, near the Liberian border with Cote d'Ivoire. Source CIA, 2014 (Figure is from government website and is public domain).

In 2013, after ten years of reconciliation and rebuilding, Liberia was still classified in the low human development category of the UN's Human Development Index (HDI). In fact, the country was ranked 175 out of 187 countries and territories. HDI values are based on several basic dimensions of human development: long and healthy life, access to knowledge, and standard of living. In addition, Liberia placed 143 out of 149 countries for the Gender Inequality Index (GII), which indicates gender-based inequalities as shown through reproductive health, empowerment, and economic activity (UNDP, 2014). According to the World Bank, Liberia is one of the poorest nations with roughly 84% of the population subsiding on less than US\$1.25 per day (U.S. Agency for International Development, 2010). Additionally, the JMP estimates that only 17% of the total Liberian population used improved sanitation technologies in 2012. This Liberian statistic lags behind the already inadequate 30% coverage (in 2010) in sub-Saharan Africa and considerably behind the global MDG sanitation target of 75% improved sanitation coverage by 2015.

Liberia continues to face significant social and economic challenges. Insecurity in neighboring countries, particularly Cote d'Ivoire, has driven thousands of refugees into Liberia, causing increased strain on already deficient resources. In 2012, the United Nations identified Critical Humanitarian Gaps in an effort to provide essential services for host communities and refugees and strengthen government's capacity to meet long-term needs. Twelve projects were designed with proposed cost of US\$36.7 million, including US\$4 million allocated for water, sanitation, and hygiene (WASH) interventions (United Nations, 2013). Additionally, numerous non-governmental and humanitarian development groups are industriously working in the WASH sector (Schmitzer & Hall, 2014).

To compound challenges faced by Liberians, in 2014, the Ebola virus disease (EVD) catastrophically hit the country, along with neighboring countries, Sierra Leone and Guinea. As of June 7, 2015, the World Health Organization (WHO) had reported 27,273 cases and 11,173 deaths, of which approximately 4,800 deaths occurred in Liberia (World Health Organization, 2015a). Although decidedly a health problem, prevention of EVD can be ensured through proper sanitation and hygiene (World Health Organization, 2015b).

Throughout the country's complex history, Liberians have faced various trials. Although a fragile state caused by years of civil war, post-conflict challenges, and, now, a global health crisis, Liberia and its people are *trying*. Trying in the Liberian sense of the word – working diligently to improve their circumstances, persevering through hardship, and appreciating life.

#### 1.3 Research Motivation

The motivation for this research stems from the author's participation in the Peace Corps Master's International program, which allowed her to study Environmental Engineering at the University of South Florida and serve as a Peace Corps Volunteer in Zwedru, Liberia (Mihelcic & Hokanson, 2005; Mihelcic et al., 2006). The author's personal experiences and activities in Liberia, supported by her environmental engineering background, offered the research foundation. The author was assigned as a secondary education math and science teacher to the government high school, Tubman Wilson Institute (TWI) in Zwedru, Grand Gedeh County, Liberia. Zwedru is an urban center in the Southeast region of the country, bordering Cote d'Ivoire. The estimated population of Zwedru is 24,000 inhabitants, and can therefore be classified as urban according to the UN Statistics Division, which considers all Liberian locales of 2,000 or more peoples urban (UN Statistics Division, 2005).

During the author's two years in Liberia, she became integrated into Liberian culture, through both her involvement with the school community and through friends and neighbors in the larger, general community. Extending from her environmental engineering education and personal interests in appropriate, sustainable sanitation technologies, she coordinated and facilitated a "Health, Sanitation, and Environmental Engineering Workshop" for the TWI student health club in January 2014. During this workshop, approximately thirty-five health club students were taught the importance of sanitation, the existing VIP latrines were cleaned, and a new urinal was constructed. Also during this training, a detailed operation and maintenance plan for the school latrines and hand washing facilities was drafted by students and administrators. The Tubman Wilson Institute (TWI) Health, Sanitation, and Environmental Engineering Workshop Schedule and Information and Notes that were provided to workshop attendees are provided in Appendix A. The TWI Sanitation Facilities Operation and Maintenance (O&M) Plan that was developed during the workshop is provided in Appendix B. Following the workshop and her successful WASH collaboration with the TWI students and administration, the author decided to further investigate the sanitation technologies on campus by assessing the design and infrastructure, as well as the user preferences and opinions regarding the facilities.

This research is vital to international development efforts because many endeavors are currently focused on improving access to sanitation, in correlation with the MDG, and soon, the post 2015 SDG. Because of the focus on schools, this research is unique and provides insight into a sanitation setting that is not often examined in depth. The MDG sanitation targets aimed to improve household and private sanitation. However, as international development goals shift to the upcoming SDG, more consideration will fall upon schools and health centers (WHO/UNICEF JMP, 2014a, 2014b). Although agencies and governments are implementing

various sanitation solutions, the adoption and usage of the technologies heavily relies upon user preferences. The WASH sector is increasingly concentrating on behavior change as a conduit for improved sanitation and hygiene, but in addition, sanitation infrastructure must be properly designed, implemented, operated, and maintained in order to fulfill the needs of the target community (Bhagwan et al., 2008; Seymour et al., 2011; Seymour, 2013).

Although general guidelines exist, such as UNICEF's Water, Sanitation, and Hygiene (WASH) in Schools and Liberia's Ministry of Public Works institutional latrine design, they focus on technical design criteria, with little consideration for user preferences and school specific attributes (The Republic of Liberia Ministry of Public Works, 2010; Mooijman, 2012). In order to have an appropriate and sustainable sanitation technology, user preferences and technical design must both be considered and integrated together for the outcome to be successful. To date, little research has focused on understanding user preferences for sanitation technology and even less has been done to develop an approach to identify user preferences and attributes that impact acceptability of the design and operation/maintenance of sanitation technology (Seymour, 2013). No research was found specifically regarding user preferences of communal school latrines. Therefore, this research provides fresh insight as it investigates user preferences and acceptability of communal, school ventilated improved pit (VIP) latrines, in the urban city of Zwedru, Liberia and develops a framework to recognize factors that influence usage of school sanitation facilities.

#### 1.4 Research Objectives

The goal of this research was to evaluate school latrine designs and user preferences in order to make recommendations and improve the efficacy of future school sanitation programs. This goal encompassed three main research objectives:

- 1. To review and assess current literature on proper VIP latrine design, specifically communal school latrine design, and evaluate the VIP latrines located on the TWI campus to determine if the latrines were properly designed and constructed. Data collection for this objective was accomplished through a full literature review and field observation of the design, operation, and maintenance of the school VIP latrines.
- 2. To determine the user preferences and motivations that impact the adoption of communal VIP latrines on an urban, government school campus in Zwedru, Liberia. Methods for data collection included classroom surveys and observation of the latrine facilities. The data was analyzed to ascertain what VIP latrine design factors, communal facility factors, and personal user background factors impact the user preferences and adoption of the school latrines.
- 3. To develop a framework for user preferences and design factors impacting adoption of communal school VIP latrines. Factors were selected based on the detailed literature review and the author's experiences and data collected in Liberia. This framework can then be applied to enhance school sanitation technologies and programs to ensure that technical VIP latrine designs and user preferences mesh, creating sustainable and effective school sanitation programs.

#### **CHAPTER 2: LITERATURE REVIEW**

#### 2.1 Global Sanitation

In 2000, the United Nations (UN) established eight Millennium Development Goals (MDG) with the hope of eradicating extreme poverty and improving basic quality of life for all people by 2015. Goal 7 was to ensure environmental sustainability, which included a target to halve the proportion of the global population without sustainable access to safe drinking water and basic sanitation. The 2014 Update Progress on Drinking Water and Sanitation by the WHO/UNICEF Joint Monitoring Programme (JMP) states that the MDG sanitation target is unlikely to be met. Worldwide in 2012, 2.5 billion people did not have access to improved sanitation, a decrease of only 7% from the 2.7 billion that lacked access in 1990 (WHO/UNICEF JMP, 2014a).

The UN is now developing Sustainable Development Goals (SDG) that will be integrated with the objectives of the MDG and extend past 2015. Officially, the SDG will launch in September 2015. Working groups and international consultants, including Water Supply & Sanitation Collaborative Council (WSSCC), WaterAid, and the United States Agency for International Development (USAID), have prepared comprehensive recommendations for post 2015 water, sanitation, and hygiene (WASH) goals, targets, and indicators. There are currently 17 tentative SDG, with one (Goal 6) to "ensure availability and sustainable management of water and sanitation for all." This goal includes a target of "by 2030, achieve access to adequate and equitable sanitation and hygiene for all, and end open defecation, paying special attention to

the needs of women and girls and those in vulnerable situations." Other sanitation related targets for the goal include strengthening the capacity of governments and local communities to effectively manage sanitation activities (Mihelcic et al., 2009; UN, 2014).

There are differences between the MDG and the recommendations being made for the SDG in regards to WASH. For example, the MDG targets are focused on the household level; community settings were not considered, thus WASH infrastructure and hygiene programs at schools were not prioritized. In contrast, it has been suggested that the post-2015 WASH targets go beyond the household. A wide range of settings, including 'high use' (schools, markets, transit hubs), 'high risk' (health facilities, detentions centers), and 'special case' (mass gatherings, refugee camps) locales were considered by consultants and schools and health centers were deemed priorities (WHO/UNICEF JMP, 2014b)

In addition, the MDG define improved sanitation as one that hygienically separates human excreta from human contact. This is discussed in depth in the following literature review, but it is important to note that shared facilities are not considered improved. However, it is proposed that the SDG focus on adequate or basic sanitation as a target. Basic sanitation is defined as facilities that effectively separate human excreta from human contact, similar to improved sanitation, but it also allows for shared facilities. A facility may be classified as basic sanitation when shared by no more than 5 families or 30 persons, whichever is fewer, and the users know each other (WHO/UNICEF JMP, 2014b). In 2008, leading sanitation experts, including Duncan Mara, recommended a concept dubbed the New Paradigm, in which water supply and sanitation should be provided to groups of households, rather than individual private homes. This proposal was reinforced by pro-poor studies and the notion that sanitation is an economic advantage more so than simply a right (Mara, 2013). In fact, a study conducted in

Tanzania found that of 341 latrines sampled and tested for *E. coli*, the shared facilities were the least contaminated (Exley et al., 2015). The definition modification between the MDG and SDG reflect the shifting attitudes and drive to provide universal adequate sanitation.

Over the past twenty years, sanitation development has transitioned from large-scale, supply-driven programs towards demand-driven solutions that account for user preferences and behaviors. With this archetype shift, it is imperative that sanitation technology engineering design be incorporated into planning, implementation, and operation/maintenance strategies. These project stages must also incorporate educational training, capacity building, and provide a sense of inclusion on behalf of the end users and target populations (Seymour, 2013). In 2013, Mara stated:

"... beneficiaries should be involved in the sanitation planning process ab initio and to the extent that they, and they alone, should choose which sanitation solution they wanted from a range of solutions that were financially, physically, hydrogeologically, and institutionally feasible in their local context."<sup>2</sup>

With a coordinated multifaceted technical and social approach, that includes, from the beginning, beneficiary involvement, sanitation projects will have higher user acceptability rates and therefore more successful and sustainable sanitation solutions.

Globally, standard engineering designs for household and institutional VIP latrines are common, but these plans rarely consider behavioral, cultural, or environmental factors specific to project sites that may impact usage. Increasing user input through participation, in all stages of project preparation and delivery, can motivate sanitation ownership and acceptance. Capacity building and inclusion into decision making processes encourage users to comprehend the importance of sanitation, thus leading to sustainable sanitation services with higher adoption

<sup>&</sup>lt;sup>2</sup> Mara, D. (2013). Pits, pipes, ponds – and me. *Water Research*. 47 (7). pp. 2105-17. Available from: http://www.ncbi.nlm.nih.gov/pubmed/23490108.

rates (Seymour, 2013). Connections between health and sanitation can be easily understood when effective educational workshops and community-led total sanitation (CLTS) triggering activities are implemented (Government of Liberia National Technical Coordinating Unit, 2012). Additionally, when discussing sanitation, women's health, and privacy requirements, Liberians generally accept the correlation between human dignity and sanitation.

Although the importance of adequate sanitation in relation to health and dignity is widely accepted, sanitation's association to economic development is less broadly recognized. However, when examined, the connection between sanitation and economics is just as apparent. Economic costs associated with inadequate sanitation are considerable; the estimated consequence of failing to meet the water and sanitation MDG targets is estimated to be US\$38 billion, of which sanitation accounts for 92% (Minh & Hung, 2011). To elaborate, for each US\$1 invested into achieving the sanitation MDG, the return would be US\$9.1. For every US\$1 invested globally towards universal access to sanitation, US\$11.2 would be returned (Minh & Hung, 2011).

As the global population continues to increase, advancing access to improved sanitation worldwide remains a persistent challenge. f trends continue, the MDG sanitation target will not be met in 2015. Achieving this target would have resulted in 75% of the population utilizing improved sanitation technologies, an improvement from the 49% in 1990. Although approximately two billion individuals gained access to improved sanitation between 1990 and 2012, only 64% of the global 2012 population has access to these technologies (WHO/UNICEF JMP, 2014a). This leaves an 11% deficit in which the MDG sanitation target will fail. Incentivizing sanitation, by shifting notions from sanitation as a *right* to sanitation as an

economic advantage, will lead to a demand-driven market and thus, increase sanitation sustainability (Black & Fawcett, 2008; Mara et al., 2010; Seymour, 2013).

Sub-Saharan Africa remains far behind the curve in regards to access to improved sanitation. Global access to improved sanitation in 2012 was 64%. In stark contrast, as of 2010, only 30% (261 million) of the population used improved facilities in sub-Saharan Africa (WHO/UNICEF JMP, 2012, 2014a). Data illustrates that access to sanitation in sub-Saharan Africa highly correlates with wealth and residency in urban regions. However, fragile, low-income, sub-Saharan African countries, in which Liberia is classified, display only a 2% and 8% increase in improved sanitation coverage from 1990 to 2010 in urban and average total, respectively. Another fascinatingly troublesome statistic is that West Africa is the only region in sub-Saharan Africa that has not observed an increase in improved sanitation coverage from 1990 to 2010. While other regions have accomplished a minimum of 7% coverage increase, West Africa's improved sanitation coverage has remained 26% over the past twenty years (WHO/UNICEF JMP, 2012).

#### **2.1.1 Improved and Unimproved Sanitation**

Because definitions of adequate sanitation can vary significantly among countries, the JMP developed a sanitation ladder with standard categories. An improved sanitation facility is a technology that "hygienically separates human excreta from human contact." Such facilities include pit latrines with slabs, ventilated improved pit (VIP) latrines, composting toilets, and pour-flush systems connected to piped sewers, septic tanks, or pit latrines. The VIP latrine is the focus of this research. Although it is considered an improved sanitation technology, when the facility is public or shared among two or more households, it is no longer categorized as improved sanitation, but instead as unimproved sanitation (WHO/UNICEF JMP, 2014a).

Unimproved sanitation ranges from shared facilities, which would otherwise be classified as improved, unimproved facilities, to open defecation, in decreasing order of safe hygiene. Unimproved sanitation facilities are technologies that do not ensure hygienic separation of human excreta from human contact. Pit latrines lacking slabs or platforms, hanging latrines, and bucket latrines fall under this category. Finally, open defecation is the behavior of humans excreting feces in open fields, forests, bushes, open bodies of water, beaches, or other open areas. If feces are disposed of with solid waste, this may also be considered open defecation (WHO/UNICEF JMP, 2014a).

It is worth noting that this research specifically deals with VIP latrines at schools. Because school latrines are public facilities and shared among a large user population, there are different sizing guidelines and requirements that would make the latrines acceptable. School sanitation facilities would not been considered improved or unimproved based upon the same household or private facility standards. The design guidelines for acceptable school sanitation amenities will be discussed later in this Chapter.

#### 2.2 Sanitation in Liberia

Sanitation coverage in Liberia is incredibly insufficient. The JMP estimates that only 17% of the total Liberian population used improved sanitation technologies in 2012. This Liberian statistic lags behind the already inadequate 30% coverage (in 2010) in sub-Saharan Africa and considerably behind the global MDG sanitation target of 75% improved sanitation coverage by 2015. When solely urban Liberian populations (locations with 2,000 people or greater) are assessed, the coverage rises slightly to 28%. Shared facilities, which are not encompassed in the definition of improved sanitation, account for 29% of urban sanitation coverage in 2012. Other unimproved technologies and open defectation round out the JMP

estimates for Liberian urban sanitation coverage at 17% and 26%, respectively (WHO/UNICEF JMP, 2012, 2014a, 2014c). A summary of the JMP estimated trends for sanitation coverage in Liberia are provided in Table 1.

Table 1 Liberian sanitation coverage trends 1995 - 2012. Source WHO/UNICEF JMP, 2014c.

Classification of Facility		anitation age (%)				Sanitation erage (%)	
	1995	2012	1995	2012	1995	2012	
Improved Facilities	26	28	3	6	13	17	
Shared Facilities	26	29	10	19	17	23	
Other Unimproved Facilities	30	17	18	8	23	13	
Open Defecation	18	26	69	67	47	47	

Along with the 2012 statistics for sanitation already discussed, the historical estimates for 1995 sanitation coverage are included in Table 1. The historical trend for open defecation in urban areas provides an alarming statistic. In 1995, 18% of urban populations in Liberia practiced open defecation. It is estimated that 26% of this same population practiced this dangerously unhealthy behavior in 2012 (WHO/UNICEF JMP, 2014c). Recalling the country's recent history, this shows an *increase* of open defecation in urban areas, providing a glimpse into how destructive the 14-year Liberian civil war (1989 - 2003) was and how long-lasting the effects of war are. Countrywide, infrastructure was irreplaceably damaged and many internally displaced people flocked to urban centers, particularly the country capital, Monrovia, where approximately 60% of the Liberian population now resides (U.S. Agency for International Development, 2010). This combination contributed to the increase of urban open defecation and the practical stagnation of improved and shared sanitation coverage in urban Liberia.

In addition to percentages, sanitation in Liberia can be viewed in relation to other development factors. Economically, poor sanitation costs Liberia an underestimated US\$17.5 million annually (2% of the national gross domestic product), of which US\$11 million are costs due to the continual practice of open defecation by 47 - 49% of the national population (Water and Sanitation Program, 2012; WHO/UNICEF JMP, 2014c). The World Bank sponsored Water and Sanitation Program determined that the construction of less than 350,000 latrines throughout the country could eliminate open defecation (World Bank, 2012). The US\$17.5 million estimate is based upon monetary costs of lost access time (US\$1.9 million) and health issues. In terms of health, there are direct healthcare costs (US\$7.1 million); along with productivity losses while sick (US\$80,000) and the negative impacts of premature death (US\$8.4 million). Records show that approximately 3,000 Liberians, including 1,800 children under the age of 5, die every year from diarrhea, an illness easily avoided by improving WASH infrastructure and behavior. The Water and Sanitation Program study likely underestimates economic costs from poor sanitation because many additional factors, including, but not limited to, epidemic outbreaks, funeral costs, water pollution, cognitive development, tourism, and excreta reuse, are difficult to quantify and estimate (Water and Sanitation Program, 2012). Socially, there is stigmatization, shame, and loss of dignity associated with open defecation in Liberia (Government of Liberia National Technical Coordinating Unit, 2012; Water and Sanitation Program, 2012).

Funding of WASH projects in Liberia is often overlooked or underfunded due to countless challenges the country encounters, including the recent Ebola crisis, poor road networks and supply management chains, inadequate nutrition and educational programs, etc. In 2013, UNICEF estimated US\$4.2 million emergency funding was required for WASH projects benefiting refugee and Liberian host communities in counties bordering Cote d'Ivoire, but only

23% of the requested funding was allocated (UNICEF, 2013). The Republic of Liberia established the Liberia Water Supply, Sanitation, and Hygiene WASH Sector Investment Plan for 2012 to 2017, created in consultation with the Ministry of Lands, Mines, and Energy, the Ministry of Public Works, the Liberia Water and Sewer Corporation, and the Ministry of Health. The plan envisions universal 100% adequate sanitation services in Monrovia, other urban centers, and rural communities by 2030. Financial estimates for these advancements are as follows. It is anticipated that US\$37 million is needed for investment in sanitation services in Monrovia alone, but current funding is a mere US\$4 million, leaving a deficit of US\$33 million. Urban sanitation improvements, encompassing awareness campaigns, public toilet construction, capacity building for local craftsmen to construct latrine slabs and septic tanks, and ambitious sludge treatment works, for 23 cities throughout the country have been estimated to cost US\$13 million; current, available funding is a modest US\$1 million. It is also estimated that US\$16 million is required for sanitation and hygiene services, including community-led total sanitation (CLTS) programs and institutional latrines for schools and health centers, for rural Liberian communities. Only US\$6 million is allocated towards these rural projects. Finally, strategies for institutional water and sanitation, including full school sanitation coverage within 10 years, and WASH Sector Capacity Development are approximately US\$48 million and US\$74 million, respectively, but only meager fractions (US\$11 million and US\$6 million) of funds are available. When totaled, Liberia's ambitious, and somewhat unrealistic, planned sanitation programs equal an estimated US\$188 million, but only US\$28 million funds are available, leaving a significant deficit of US\$160 million, or 85%, of funding yet to be obtained (The Republic of Liberia, 2013).

#### 2.3 Ventilated Improved Pit (VIP) Latrine

Ventilated improved pit (VIP) latrines are adaptations of traditional pit latrines. The technology includes a basic pit, a superstructure, and a vent pipe, as displayed in Figure 2. The addition of the vent pipe aims to reduce the odors and flies that are often problematic with traditional pit latrines (Mara, 1984). VIP latrines also do not require water during operation in contrast to other improved sanitation technologies, such as sewered wastewater collection and pour flush latrines, unless the user requires water for cleaning (Fry et al., 2008).

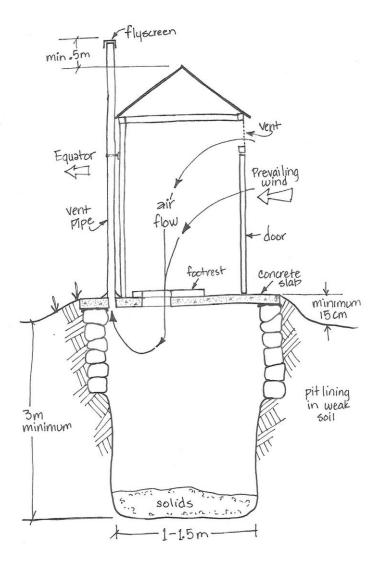


Figure 2 Components of the ventilated improved pit (VIP) latrine. Reproduced from Mihelcic et al. (2009) with permission from ASCE; artwork by Linda Phillips. ASCE permission provided in Appendix C.

#### 2.3.1 VIP Latrine Design Criteria

The most unique component of the VIP latrine is the vent pipe. The vertical vent pipe extends from the latrine pit up to the atmosphere above the latrine superstructure. The pipe allows for ventilation of the structure and pit thus eliminating the bad odor that is generally associated with traditional pit latrines. VIP latrines should be designed to provide six air changes per hour through which air flows from the superstructure, into the pit, and then out the vent pipe (Mihelcic et al., 2009). This air flow movement, which is critical for ventilation and reducing malodorous environments, is depicted in Figure 2. The air that blows across the top of the vent pipe assists in this air circulation by generating pipe suction. Another factor impacting the air exchange rate is the buoyancy differences that are created by the temperature variations between the pit and the ambient air (Dumpert et al., 2009).

Because air exchange is a major factor in the effectiveness of VIP latrines, latrine design components that are impacted by wind are important to consider. One such factor is that the drop hole should remain uncovered when the latrine is not in use. This goes against traditional pit latrine operation, where the drop hole is supposed to be covered in order to reduce smells and control the fly population. However, with VIP latrines, the hole must be open in order to allow air flow into the pit; in fact, it can be harmful to VIP latrine effectiveness if the hole is covered (Mara, 1984). To maximize ventilation, Dumpert et al. (2009) recommend that the drop hole be covered during the early morning and evening hours when the ambient temperature is cooler than that of the pit, but then the cover should be removed during the warmer daylight hours.

Another design feature to consider is the superstructure of the VIP latrine. The general construction materials for the walls and roof are not technically important, but should be socially acceptable as the main purpose is to provide user privacy, comfort, and protection. To be

sustainable and appropriate, it is best for the structure to be made from locally available materials and to mesh with the social preferences. Because ventilation is vital, the structure should allow for optimal air flow through the entrance and into the pit. This is achieved by directly facing the entrance of the superstructure toward the prevailing wind and siting the VIP latrine a minimum of 2 meters (m) away from trees and high buildings that could limit air flow (Mara, 1984; Mihelcic et al., 2009).

Although ventilation is imperative for VIP latrines, the superstructure must also have a door that fully closes and remains closed while the latrines is not in use. The door or entranceway covering is necessary because the superstructure must provide sufficient shade so that flies are not attracted to exit the pit via the drop hole. Instead, flies should be attracted up the vent pipe towards the light, where they are then trapped by a fly screen and eventually die (Mara, 1984; Mihelcic et al., 2009). The entranceway covering should block most light from entering the superstructure; there should be no windows or openings in the structure, aside from the entranceway, and the inside of the latrine should be semi-dark (Dumpert et al., 2009). However, because air circulation is required, the design recommendation is that VIP latrines have an air gap, at the top or bottom of the latrine entrance, which is three times the cross-sectional area of the vent pipe (Mara, 1984). A spiral design is also an option for the VIP latrine superstructure so that light is minimized, the door requirement is negated (if the social preference is an open entranceway), and air can be channeled through the spiral for ventilation (Mara, 1984).

As previously mentioned, the distinctive component of a VIP latrine is the presence of a vent pipe. There are a variety of materials that could be used for this pipe, but polyvinyl chloride (PVC) pipe is common, although it significantly increases construction costs. An added benefit

to PVC pipe is that when a dark colored pipe is used, the vent pipe will heat faster and encourage air from the pit to rise out and increase air circulation. The vent pipe should be a minimum of 500 millimeters (mm) higher than the highest point on the superstructure roof. This enables the wind to pass unobstructed over the vent pipe and enable the air exchange from the pit. The diameter of the vent should be sized to allow for the required air changes based on the pipe material and the size of the superstructure, but the general recommendation is 150 mm minimum diameter for a PVC vent. Finally, the vent pipe is tightly fitted with a fly screen so that flies cannot enter the pit to breed and those that have already found their way into the pit are trapped and may not exit. The fly screens may be PVC-coated glass-fiber or stainless steel (Mara, 1984; Howard et al., 2002; Mihelcic et al., 2009; Dumpert et al., 2009).

VIP latrine cover slabs should be appropriately designed to support the weight of the superstructure, vent pipe, and user. Typically these slabs are reinforced concrete with two holes: one for the vent pipe and one as the drop or squat hole. To prevent the risk of children falling through the hole, the drop hole should be no larger than 200 mm width/diameter. These drop holes are often keyhole-shaped to provide a large enough opening, while still ensuring safety. The vent hole in the cover slab should be the same diameter as the vent pipe. Cover slabs should have a minimum 5% slope towards the drop hole to allow for drainage of urine and cleaning water (Mara, 1984; Mihelcic et al., 2009).

VIP latrines have underground pits that are used to collect excreta. The function of the latrine pit is to allow liquids to infiltrate into surrounding soil, while containing fecal solids to decompose in the pit through anaerobic digestion (Galvin, 2013). VIP latrine technology is designed as a dry system, with minimal cleansing water or greywater entering the pit; excessive amounts of liquid can impair the anaerobic processes necessary for the decomposition of solids.

As mentioned, pits should be designed to allow urine and wastewater to infiltrate into the bordering soil. Soils with permeability rates as low as 2.5 mm per hour, provided that clay is not present, are suitable for latrine construction. Because of this infiltration, it is essential that latrines are placed with consideration to avoid unnecessary groundwater contamination (Mara, 1984; Howard et al., 2002; Mihelcic et al., 2009).

The sizing and lining of these pits are key features for latrine performance and safety. Sizing latrine pits depends on accumulation rates that are influenced by environmental and cultural factors. Ideally, pit latrines should have a design life of at least ten years, but in practice latrines may have shorter effective years (3 - 5 years). The cross-sectional area of a latrine pit is typically 2 m<sup>2</sup> in efforts to eliminate dangerously large cover slabs. A typical diameter (circular pit) or width (square pit) is 1 - 1.5 m for a single household latrine; communal and institutional latrine pits may be larger as discussed later in this Chapter. Based on the cross-sectional area dimensions, the required pit depth can be calculated given the necessary volume, which considers design life and the solid accumulation rate. When sizing, a free space of 0.5 m directly below the drop hole should be included in order to avoid completely filling the pit up to the latrine slab. A general guideline is a minimum VIP latrine depth of 3 m, as was seen in Figure 2 (Mara, 1984; Mihelcic et al., 2009).

For user safety, pits should be lined, particularly in unstable soils that have potential to collapse. In these weak soils, pits must be lined, but a variety of materials, such as concrete blocks, mud bricks, stone rubble, and perforated oil drums for example, may be used depending on local availability. Only the upper portion, approximately 0.5 m, should be mortared, while the remainder should leave joints open to facilitate infiltration of the urine and liquid wastewater into the nearby soil (Mara, 1984; Mihelcic et al., 2009). When designing latrine pits, soil type is not

the only factor that must be considered. For example, a slope (15 cm minimum) must be provided to direct runoff and rainwater away from the pit. Additionally, social customs and dynamics, such as taking bucket baths inside latrines, must be accounted for (Mara, 1984; Mihelcic et al., 2009). Table 2 provides a summary of VIP latrine design criteria that has been discussed in this section.

Table 2 Summary of VIP latrine design criteria.

VIP Latrine Component	Typical Guidelines
Vent Pipe	<ul> <li>Typically PVC, dark colored pipe</li> <li>150 mm diameter, minimum</li> <li>Outlet 500 mm higher than highest point of the superstructure</li> <li>Located 2 m away from tree branches and high buildings, minimum</li> <li>Fly screen on outlet</li> <li>Provide six (6) air exchanges (through superstructure to mit sept the great rise) may be an exchange.</li> </ul>
Superstructure Entranceway	<ul> <li>pit out the vent pipe) per hour</li> <li>Door/covering required with air gap/vent, sized three (3) times larger than the cross-sectional area of the vent pipe</li> <li>Facing prevailing wind</li> </ul>
Cover Slab	<ul> <li>Reinforced Concrete with two (2) holes: drop hole and vent pipe hole</li> <li>5% slope towards the drop hole inside the latrine</li> </ul>
Drop Hole	<ul><li>Always open; not covered</li><li>Keyhole-shaped, 200 mm width, maximum</li></ul>
Pit	<ul> <li>Cross-sectional area 2 m², maximum</li> <li>Depth 3 m, minimum</li> <li>Soil permeability 2.5 mm per hour, minimum</li> <li>Mortared lining, top 0.5 m of pit</li> <li>Ground surface sloped away from pit, 15 cm vertical difference, minimum</li> </ul>

#### 2.3.2 Alternating Twin-Pit VIP Latrines

Alternating twin-pit VIP latrines are similar to single-pit VIP latrines, but instead of a solitary pit there are two, each with their own vent pipe and drop hole. The twin-pit VIP latrine has only one superstructure designed per the same VIP latrine superstructure guidelines as previously described. Inside the structure however, there will be two separate drop holes (each connecting to a different pit compartment) in the cover slab. Only one is in use at any given time, while the other is completely sealed and out of service. Cover slabs for these facilities are typically made in three or more sections of reinforced concrete. One slab is similar to the single-pit VIP latrine slab, but instead of two holes, it will have four: two drop holes and two vent pipe openings. The two additional slabs are removable covers that allow access into each pit so that they may be emptied when the excreta is no longer hazardous (Mara, 1984).

The idea behind the twin-pit VIP latrine is that it provides a permanent sanitation facility. When one pit fills (typically after one to three years), that drop hole is sealed and the contents are allowed to decompose while the other pit is used. When the second pit fills, the contents of the first pit, which have safely decomposed over a minimum of two (2) years, are removed and the first pit is placed back in service (Mara, 1984). This alternating process can be repeated indefinitely, thus twin-pit VIP latrines provide basic permanent sanitation. Because design life of twin-pit alternating latrines is indefinite, but storage time is only two (2) years minimum, the depths of the pits can be shallower than single-pit latrines. Similar to composting latrines, this feature makes the technology particularly suitable for sites with high groundwater tables or difficult soil conditions (Mehl et al., 2010; Gibson, 2014; Wilbur, 2014). Alternating twin-pit VIP latrines may have two separate pits or they may share a rectangular pit that is divided by a fully mortared wall that prohibits cross-flow of liquids and air. The pit must extend to the rear or

the side of the superstructure to allow pit entry, through the removable cover slabs, for excreta removal (Mara, 1984).

To provide basic permanent sanitation in institutional or public settings, Mara, along with the many international development agencies, endorses multicompartment alternating twin-pit VIP latrines. This technology is a slightly modified version of the alternating twin-pit VIP latrine and includes additional user stalls or cubicles, with adjoining pit compartments, to account for the larger user population (Mara, 1984; Leathes et al., 2011; Mooijman, 2012). Such latrines have been successful in various schools and will be examined in more detail later in this Chapter.

#### 2.4 Water, Sanitation, and Hygiene (WASH) in Schools (WinS)

Water, sanitation, and hygiene (WASH) and school learning are interconnected. Children and adolescents learn best when they are healthy, but in schools, students are exposed to poor sanitation and hygiene conditions in overcrowded classrooms with little ventilation and inadequate WASH facilities. Due to these unhealthy environments, schools are often where children get sick. UNICEF estimates that 1.9 billion school days could be gained if the water and sanitation MDG are achieved and diarrheal disease occurrences are reduced (Mooijman, 2012).

Diarrheal disease and worm infections are two common diseases that impact school aged children and can be significantly improved through WASH interventions. Several studies show that improving hand washing with soap practices can reduce diarrhea-related school absenteeism by 30% (Mooijman, 2012; Naughton, 2013; Naughton et al., 2015). Another study shows that treatment of worm infections reduced absenteeism by 25% (Mooijman, 2012). Although these diseases can be easily prevented with adequate water and sanitation, only about one third of primary schools in developing countries have latrines or sanitation facilities (Mooijman, 2012). According to the United Kingdom's Department for International Development (DFID),

improving school water and sanitation infrastructure not only improves student enrolment and completion rates, but also decreases teacher absenteeism (Leathes et al., 2011).

A contrasting study conducted at Kenyan schools by Greene et al. (2012) found that hygiene promotion and water treatment interventions did not impact the risk of *Escherichia coli* (*E. coli*), as an indicator of fecal contamination, presence on students' hands. In fact, when the intervention included the construction of new VIP latrines on campus, along with the hygiene promotion and water treatment program, the risk of *E. coli* existing on students' hands significantly increased, with the highest risk among girls. This study indicates that hygiene trainings are not always sufficient to induce behavior change and that improved sanitation infrastructure, in this case VIP latrines, may lead to increased contamination and spread of disease within schools (Greene et al., 2012).

UNICEF's Child Friendly School program incorporates WASH into Schools (WinS) and emphasizes that sustainable school improvement and interventions must provide water, sanitation, and hand-washing infrastructure, along with life skills education that focuses on proper hygiene behaviors with participatory activities. The education must also reach out to encompass families and the wider community, including local and national governments. Guidelines developed by UNICEF and the World Health Organization (WHO) recommend that schools design and construct "child-friendly, gender-sensitive, well-made and sustainable facilities for sanitation, hand washing, water supply, compound fencing and solid waste collection" (Mooijman, 2012).

A ratio of one toilet for every 20-40 children, depending on country standards and resources, is recommended by UNICEF for sizing school sanitation facilities. UNICEF defines sufficient toilet facilities as one toilet per 25 females and one toilet and one urinal per 50 males.

Other factors, such as the total number of students, the times children are permitted to use the facilities, drink water, and wash hands, presence of urinal, and the future growth of the school, can also impact the number of latrines required. Sanitation needs for students of various ages differ so UNICEF also recommends that separate toilet facilities be built for large schools with a wide range of student ages (Mooijman, 2012). However, because of overcrowded schools and lack of resources, a study funded by DFID found that a ratio of one latrine for every 60 students is more achievable in many situations (Leathes et al., 2011).

It is also important that boys and girls, especially adolescents, have individual facilities and that there is a method for young girls to dispose of sanitary pads without embarrassment. Female students often skip school several days a month, which amounts to 10-20% of total school days, during menstruation because of poor sanitation and washing facilities at schools (Mooijman, 2012). There is evidence to support that when schools provide a safe and private sanitation facility for girls, the enrollment and retention of these female students increases (Leathes et al., 2011).

Finally, a properly designed WinS intervention requires an operation and maintenance plan to be sustainable and fully effective. This plan must identify responsibilities for cleaning and maintaining facilities, as well as financial responsibilities and annual/biannual trainings for ensuring that the facility does not deteriorate. It is vital to the sustainability and adoption of the facilities that students, teachers, parents, and local authorities be involved in the development and enforcement of this operation and maintenance plan (Mooijman, 2012).

#### 2.4.1 Latrine Design in Schools

Siting and designing school latrines are important matters. In order for the facilities to be successfully adopted by the entire school population, the technical design and construction must

take into consideration the preferences of the various beneficiaries. Incorporating and encouraging students (with a range of ages), school teachers and administration, parents, and local authorities to engage during all stages of sanitation intervention programming will strengthen community ownership, maintenance, and overall adoption of the amenities. School latrines should be located about 10 meters downwind of school classrooms so that they are close enough to be safe and secure, but also avoid unpleasant odors in classrooms. It is also recommended that boys' and girls' blocks of latrines be separated by at least 10 meters with a privacy wall (Leathes et al., 2011). In order to avoid contamination of a water supply, VIP latrines should be no closer than 30 meters from a well or water source (Mihelcic et al., 2009). In order to encourage usage, latrines should not be installed near other odorous areas, such as garbage dumps or animal pens (Mooijman, 2012).

The DFID report also suggests that a system be put in place for daily maintenance and cleaning of school latrines. This system can be in the form of cleaners/janitors, individual students, or assigning classes cleaning duties. It is also important that the daily maintenance include a method for refilling soap and water for hand washing (Leathes et al., 2011).

Multicompartment alternating twin-pit VIP latrines are common for school and institutional latrines. Multicompartment alternating twin-pit VIP latrines are slightly transformed alternating twin-pit VIP latrines. Because there are multiple stalls, each pit, with the exception of the two end pits, serve two drop holes in adjacent compartments. The two end pits, which each connect to only one drop hole, are only half the size of the other pits in the system. During operation, it is important that both drop holes for a single pit be in service at the same time, while the second drop hole in a stall and its adjacent drop hole sharing the same pit be out of service and completely sealed. Aside from this slight adaptation, multicompartment units are designed

similar to single stall alternating twin-pit VIP latrines (Mara, 1984). A diagram of a four-stall multicompartment alternating twin-pit VIP latrine is provided in Figure 3. In the figure, the keyhole shape in the Plan view is the squat hole for the user and the circle is the vent pipe hole. In non-residential institutions, such as schools, Mara suggests 20 people per compartment for sizing the number of stalls and latrine blocks, thus the four-stall example shown in Figure 3 would serve 80 individuals (1984). A summary of the factors for sizing and siting communal school VIP latrines is provided in Table 3.

Table 3 Guidelines for design of latrines in schools.

Latrine Design Criteria	Recommendation
Number of students per one latrine compartment	<ul> <li>20-40 students, depending on country standards; Sufficient toilets: 25 females per one toilet, 50 males per one toilet and one urinal (UNICEF; Moojiman, 2012)</li> <li>60 students (DFID; Leathes et al., 2011)</li> </ul>
Minimum distance to school buildings/classrooms	• 10 meters, downwind (DFID; Leathes et al., 2011)
Minimum distance to well or water source	• 30 meters, downhill (Mihelcic et al., 2009)
Minimum distance between boys' and girls' blocks of latrines	• 10 meters with privacy wall (DFID; Leathes et al., 2011)

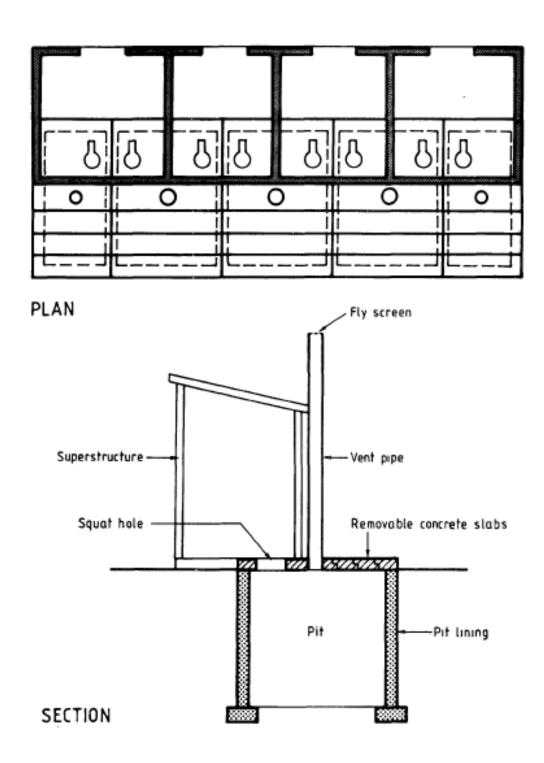


Figure 3 Multicompartment alternating twin-pit VIP latrine with four user stalls. Reproduced from "The Design of Ventilated Improved Pit Latrines" (Mara, 1984). © World Bank. License: Creative Commons Attribution License (CC BY 3.0 IGO).

Liberia's Ministry of Public Works (MPW) has national standards for water and sanitation services. The majority of the guidelines follow typical international recommendations, but some inconsistencies exist. For example, "alternating pit latrines" are endorsed by the MPW for institutional sanitation (The Republic of Liberia Ministry of Public Works, 2010). Examination of the standard drawings and specifications show that these designs are multicompartment alternating twin-pit VIP latrines. Liberian MPW design criteria, as written out in their specifications, for these facilities are outlined in Table 4.

Table 4 Liberia's Ministry of Public Works institutional latrine design criteria (obtained from The Republic of Liberia Ministry of Public Works, 2010).

VIP Latrine Component	Standard Design Criteria	
Vent Pipe	<ul> <li>150 mm diameter in each pit compartment</li> <li>PCV pipe</li> </ul>	
Superstructure	<ul> <li>Mud blocks or concrete blocks</li> <li>Inside dimension of each stall/cubicle 1.2 m by 1 m, minimum</li> <li>Front height 2.3 m and rear height 2 m</li> <li>Door 0.7 m wide by 1.82 m high</li> <li>Privacy walls constructed 1.4 m in front of structure</li> <li>Corrugated zinc coated sheets for roofing on wooden frame</li> </ul>	
Cover Slab	• Each pit compartment covered by four slabs: one slab 65 cm by 130 cm with two drop holes; one slab 65 cm by 130 cm with hole for 150 mm for vent pipe; two 50 cm by 130 cm slabs	
Drop Hole	<ul> <li>Keyhole-shaped, 150 mm diameter</li> <li>Reinforced concrete, 7.5 cm thick</li> </ul>	
Pit	<ul> <li>Each internal compartment: width 2.3 m by length 1.3 m</li> <li>Two end compartments: width 2.3 m by length 0.65 m</li> <li>Sized to hold 2 years' worth of excreta</li> <li>Guideline depth 2.1 m</li> <li>Fully lined with 15 cm solid concrete blocks from bottom of pit to 30 cm above ground</li> <li>15 cm solid concrete blocks dividing walls to separate compartments</li> </ul>	

However, there are several dimensions with disagreement between the written specifications and the associated drawings. The MPW includes three institutional latrine drawings in their guidelines: 1) Alternating Pit Institutional Latrine Single Cubicle; 2) Alternating Pit Institutional Latrine with 4 Cubicles; and 3) Alternating Pit Institutional Latrine – 5 Cubicles. One dimension with a discrepancy between the drawings and specifications is the length of the two end pit compartments. In the specifications, these pits should be 0.65 m (half the length of the inner pits), but the drawings show the end pits as the same 1.3 m. The drawings also claim a scale of 1:1 with all dimensions in meters; the drawings are actually 1 cm to 1 m, but the descriptions are unclear (The Republic of Liberia Ministry of Public Works, 2010). These minor incongruities support the need for improved capacity at all levels in Liberia.

### 2.5 Latrine Adoption and User Preferences

Many factors impact the adoption of sanitation technologies. Seymour (2011, 2013) analyzed various literature relating to user preferences and motivations regarding sanitation facilities in developing countries. She also conducted over 1,000 surveys in peri-urban areas of South Africa. Based on her research, she explains that the major drivers for sanitation usage are prestige, comfort/cleanliness/convenience, and health benefits, in decreasing level of importance (Seymour et al., 2011; Seymour, 2013). Note that health benefits, according to Seymour's findings, are not the primary motivating factor for latrine or sanitation adoption. With this knowledge, it is important that campaigns emphasize all beneficial aspects of adequate sanitation, not solely health. This will allow end users to derive personal sanitation solutions based on their needs, preferences, perspectives, and within their economic capacity.

For VIP latrine technology, there are various user opinions. In Botswana, Bolaane and Ikgopoleng, as referenced in Seymour (2013), found that across 405 households with various

sanitation technologies; flush toilets (56%), VIP latrines (26%), and simple pit latrines (18%); 44% of respondents were satisfied with their latrines and did not intend to upgrade their facilities. Similarly, research completed by Whittington et al. (1993) in Ghana, shows that of over 1,200 households interviewed regarding willingness to pay for VIP latrines and sewer connections, only 54% of families without current access to sewer connections would raise their level of sanitation. This means that almost half of the households were satisfied with their VIP latrines. Of these satisfied VIP latrine users, just less than half indicated their preference for the technology was because water was not required for use (Whittington et al., 1993a, 1993b; Seymour, 2013). However, only 30% of respondents surveyed by Altaf and Hughes in Burkina Faso favored VIP latrines; this is in contrast to the 64% that selected pour-flush latrines. While pour-flush latrines were perceived as more modern and hygienic according to Burkinabe users, they did recognize the value of the waterless VIP latrines (Altaf & Hughes, 1994; Seymour, 2013). Another study referenced by Seymour (2013), conducted in peri-urban Kenyan regions by Schouten and Mathenge, interviewed 76 respondents regarding their communal sanitation facilities. It was discovered that, when rated on a scale of 1 to 10, all communal facilities, which include VIP latrines, received an average satisfaction ranking of 7.1. Nevertheless, communal VIP and pit latrines consistently, across various studies, have lower percentages of satisfied users than shared flush toilets (Seymour, 2013).

Little research has been conducted specifically in regards to communal *school* sanitation. Existing literature claims that usage of school latrines is generally associated with cleanliness and comfort. According to a study conducted in Kenya, students at schools that received VIP latrines, as part of an overall WASH intervention, reported only 15% discomfort using the school latrines, a major decrease from the baseline 58% discomfort that was reported prior to the

installation of the new VIP latrines. Only 4% of these same students reported that the school latrines were usually very dirty (another decrease from the baseline 52% prior), leading one to believe that the latrines were maintained and cleaned regularly (Greene et al., 2012). Although this data appears promising, further research relating directly to school sanitation, user preferences, and motivational factors associated with ownership, operation, and maintenance of communal school latrines must be conducted.

#### **CHAPTER 3: METHODS**

Chapter 3 focuses on the research steps to collect and analyze the data required to address the main objectives of this study. As outlined in Chapter 1, these objectives are: 1) to investigate VIP latrine design in effort to ascertain if the communal school VIP latrines located on the TWI campus were properly designed and constructed, 2) to determine the user preferences and motivations impacting the adoption of these school latrines, and 3) to develop a framework relating design factors and user preferences to latrine adoption. To accomplish these objectives, both qualitative and quantitative data were collected. For the first objective, an in-depth literature review was conducted to establish proper VIP latrine design and existing guidelines for school sanitation. This information is outlined in Chapter 2. The school sanitation facilities were observed and technical notes were taken on the design and construction of the latrines to prepare for analysis. For the second objective, surveys were given to students, faculty, and staff to gather data on user preferences relating to the school VIP latrines. The final objective incorporates data from the literature review, observations, and surveys to develop a framework for communal latrine adoption.

### 3.1 Community Description

The latrines examined for this research are located on the Tubman Wilson Institute (TWI) Junior and Senior High School in Zwedru, Grand Gedeh County, Liberia. TWI is a government school with approximately 800 students and 20 faculty, staff, and administrators. The school is

afternoon session with classes running from 12:45 pm to 6:00 pm. In the morning, the same campus is used by J.C. Barlee Elementary school and Zwedru Kindergarten. J.C. Barlee Elementary school has roughly 800 students and 15 faculty members. Technically, the government school campus, shared by J.C. Barlee and TWI, is three buildings, one with seven classrooms, one with administration offices and a library, and one newly constructed building with two additional classrooms. Zwedru Kindergarten owns another building nearby with four classrooms. TWI has an arrangement with the kindergarten that allows TWI to use these classrooms in the afternoon. A breakdown of the student populations by grade for TWI and J.C. Barlee schools is provided in Table 5; the values are approximate because, although the school administration keeps enrollment records, the files are disorderly and inconsistent so it is difficult to obtain exact values. Additionally, many students drop out or irregularly attend class.

Table 5 Distribution of student population by grade and school.

School	Grade	Student Population
TWI (Senior High)	12	80
TWI (Senior High)	11	90
TWI (Senior High)	10	130
TWI (Junior High)	9	180
TWI (Junior High)	8	160
TWI (Junior High)	7	160
TWI Sub-total	-	800
J.C. Barlee (Elementary)	6	125
J.C. Barlee (Elementary)	5	125
J.C. Barlee (Elementary)	4	125
J.C. Barlee (Elementary)	31	125
J.C. Barlee (Elementary)	21	150
J.C. Barlee (Elementary)	11	150
J.C. Barlee Sub-total	-	800
Total	-	1,600

<sup>1</sup> Students in these grades did not participate in the user preference latrine surveys.

An aerial image of the campus is shown in Figure 4. The far left, upper building with the white roof is the newly constructed Tubman Wilson Institute (TWI) building with two classrooms; just below that, the building with the brown roof, is Zwedru Kindergarten; the U-shaped structure is TWI and J.C. Barlee classrooms; and the large square shaped building with the brown roof is the TWI administration offices and school library. The far right field is the school's football field.

The small rectangular structures (four total) behind the school buildings (located near bottom of image) are the ventilated improve pit (VIP) latrine blocks. The four latrine blocks each have six stalls, but one block is in disrepair and is therefore, unused (second structured in from the left). Of the remaining three blocks, one is allocated to each individual school: Zwedru Kindergarten (latrine block located on the far left), J.C. Barlee Elementary, and TWI. For the purpose of this study, the TWI and J.C. Barlee VIP latrine blocks were examined. The facilities for Zwedru Kindergarten, although similar in design and condition, were not included and no surveys were conducted with students or faculty from the kindergarten. The two latrine blocks located on the right side of the image are the focus of this study. The small square structure between the four VIP latrine blocks is the urinal facility that was constructed as a portion of the author's sanitation project with the TWI student health club.

The other buildings that have not been specifically identified are kitchens and gazebos. There are also two water pumps on campus, one located in the courtyard area of the U-shaped classroom building, belonging to TWI and J.C. Barlee, and the other is just to the right of the Zwedru Kindergarten classroom building. The campus, with the exception of the football field, is enclosed in a fence for security. However, the main gate was damaged, but there were plans to repair it.



Figure 4 Aerial image of TWI campus. Image is reproduced from GoogleMaps with Google © 2015 information.

The sanitation and hygiene facilities on the TWI/J.C. Barlee campus consist of two blocks of VIP latrines, several hand washing stations, and one water pump. A photo of the VIP latrine area behind the school, prior to the construction of the urinal, is provided in Figure 5. The VIP latrines are multicompartment twin-pit VIP latrines; each stall has two drop holes with only one in use at any given time. Figure 6 shows the entire structure or latrine block, which has six stalls: two for boys, two for girls, and two for teachers. The boys' and girls' stalls each have a privacy wall in front of the entranceway. There are seven PVC vent pipes exiting from the pits behind the superstructure. In theory, one block of latrines is for J.C. Barlee, while the second is for TWI, but in practice, the latrines are not adequately operated or maintained so there is no distinction between TWI or J.C. Barlee owned facilities.



Figure 5 J.C. Barlee and TWI VIP latrines located behind the school classrooms.



Figure 6 School VIP latrine block with six stalls.

The latrines were funded by UNICEF and constructed by a local implementing partner. Unfortunately, the latrines were installed without the involvement of the school administrations or student health clubs. There was also no training provided regarding VIP latrine operation and maintenance. Because of the lack of inclusion in design and construction phases, TWI and J.C. Barlee schools do not have a sense of ownership over the latrines and, although the facilities are relatively new (one block was constructed in 2012 and the second in 2013), they are dirty, foul smelling, and poorly maintained. There is no regularly scheduled latrine cleaning conducted by the school janitors or students. Even during monthly work days, when students are required to clean the campus and cut the grass, the latrines are not cleaned or maintained. It was assumed that the school communities would instantly accept the facilities and provide financial and managerial oversight in the operation and maintenance of the amenities, but it is obvious that without involvement and participation in earlier stages, the school administrations do not feel responsible for the upkeep of the facilities.

### 3.2 Surveys

Surveys were distributed to students, faculty, staff, and administrators to gather data relating to user preferences and perceptions of the communal school VIP latrines. Although the subject of the survey was the VIP latrines and not human subjects, the research methods for the surveys were reviewed and approved by the Institutional Review Board (IRB) due to the sensitive nature of surveying children. The IRB of the University of South Florida approved the study under IRB# Pro00015901 on January 21, 2014. An amendment, allowing the school principal to sign in lieu of parents for the informed consent process for the parental permission, was approved on February 24, 2014. The IRB of the University of Liberia approved the research methods on April 4, 2014. IRB documentation for the study is provided in Appendix D.

Participation in the survey was completely optional and each individual signed a consent/assent waiver (consent form if participant was 18 years or older; assent form if participant was a minor under the age of 18) prior to completing the survey. It was explained, in standard English and Liberian English, to each participant that the survey was optional, it did not impact students' grades or faculty employment, there was no monetary incentive, and the purpose for gathering data was for the author's graduate thesis and potential future projects to improve the sanitation facilities on campus. The script for informed consent can be found in Appendix E. The criteria for inclusion in the study was that the participant was affiliated, either by employment or as a student, to TWI or J.C. Barlee elementary school and that they were willing to participate. All faculty and staff for TWI and J.C. Barlee were included in the study. Students in grades four, five, and six from J.C. Barlee and all TWI students (grades seven to twelve) were encompassed in the research.

The author first surveyed TWI faculty, staff, and administration by approaching individuals and explaining the situation. Once the individual agreed to participate and signed the consent form, the author provided the survey. For faculty and staff, the survey was left with them to complete on their own time and return to the author at their convenience.

For students, the author conducted surveys by classroom, starting with the senior high TWI students. Because of fluctuating and inconsistent attendance rates during typical school weeks, the author administered student surveys during her personal class time (for grades eleven and twelve, where the author also served as the physics teacher) and during TWI exam week in May 2014 to ensure the highest participation rate. It is worthwhile to note that June is the end of the academic calendar in Liberia, which generally runs from September to June. Although numerous students register and enroll for classes at the start of each semester (September and

January), many students drop out of school and therefore the student population decreases by the end of the academic year. The student population estimates provided in the previous section are based on enrollment records, without consideration for students that have dropped out.

With permission from TWI administration, the author would enter a classroom, unannounced, while the students were available and awaiting another teacher. Each classroom generally had 70-100 students and the author would introduce herself and her research to get the full attention of the students. With the assistance of several responsible eleventh grade students selected by the author, the consent script and objectives of the research would be explained. Once the students verbally consented to participate, the consent/assent forms would be distributed for signatures. Once this form was signed, it would be collected and the individual would receive the school latrine user preferences survey. The students would have as much time as they required to complete the survey; generally taking about 20 minutes. If participants had any questions, they were able to ask the author, who would be present the entire time, or one of the eleventh grade students that aided the author. As is common in Liberian schools, participants often assisted their friends and peers so there was discussion throughout the course of the survey and sometimes individuals would simply copy from their neighbors' papers. Over the course of a few weeks, the author surveyed all TWI junior and senior high classes.

Once all surveys for TWI were complete, the author approached the J.C. Barlee administration. Again she surveyed the faculty and administration in the same manner as previously done with TWI faculty. Finally, she surveyed grades four, five, and six from the elementary school. These surveys were administered during typical school days (not testing week) in June 2014. Because these students were younger and unfamiliar with the author, who worked at TWI in the afternoon, but was not on campus during the morning elementary session,

a J.C. Barlee teacher would introduce the class to the author. With the aid of the same eleventh grade students and the J.C. Barlee faculty member, the author would explain the assent process and research objectives. Again, the assent forms would be distributed for signatures after the students had verbally agreed to participate. Once all assent forms were complete and surveys were distributed, the J.C. Barlee teacher would read the questions one by one, allowing time for the students to respond on their sheets. Through this guided process, the younger students had more structure and were able to ask questions and receive answers as a class, as opposed to the somewhat chaotic process that was often seen in the junior and senior high classrooms.

There were two versions of the survey conducted, one for faculty and another for students. The major difference between the two versions was the participant identification questions (age and grade or position in the school). The questions investigating user perceptions of the latrines were the same on both surveys. The queries related to cleanliness, safety, and comfort of the communal latrines, as these classifications were identified in the literature review as major factors that impact user adoption of sanitation technologies. These questions were formatted so that respondents could select their answer based on provided options (multiple choice). The survey also included open ended questions that allowed respondents to express their opinions and comments regarding the school VIP latrines. A summary of the questions is provided in Table 6. The two full survey forms are provided in Appendix F.

Table 6 Summary of survey questions.

No.	Survey Question	Answer Options
1	What is your gender?	<ul><li>Male</li><li>Female</li></ul>
2	What is your age?	Age ranges provided for selection
3 (Student Surveys)	What class are you in?	N/A

Table 6 (Continued)

3 (Faculty/Staff Surveys)	What is your position at the school?	<ul><li>Administration</li><li>Teacher</li><li>Staff</li></ul>
4	Do you use the school latrines?	<ul><li>Yes</li><li>No</li></ul>
5	If yes, how often do you use the latrines?	Time range provided for selection
7	How safe are the school latrines?	<ul><li>Very Safe</li><li>Safe</li><li>Not Safe</li><li>Very Unsafe</li></ul>
8	How comfortable are the school latrines?	<ul><li>Very Comfortable</li><li>Comfortable</li><li>Not Comfortable</li><li>Very Uncomfortable</li></ul>
9	Please explain what is beneficial or good about the school latrines.	N/A
10	Please describe what is negative or bad about the school latrines.	N/A
11	Where do you go to the bathroom at your house?	Options provided for selection
12	Any additional comments regarding the school VIP latrines.	N/A

To analyze the collected data, the author entered all survey responses into an Excel spreadsheet. This survey data spreadsheet is available in Appendix G. Assessing the multiple choice survey questions was straightforward as standard response options were provided to the participants. However, interpreting the open-ended survey questions was more complex. In order to categorize common open-ended responses, the author identified keywords for various themes. The general themes were discovered by the author when she manually performed the data entry of survey responses into the spreadsheet for analysis. The main themes identified and discussed in the subsequent chapter include smell, latrine construction, presence of feces, use by

community, and health aspects. For each of these themes, several keywords were used to search and pinpoint the related survey responses. The keywords were recognized by the author based on the frequency of the word or set of words falling under a specific category or theme. For example, the keywords smell, smelling, odor, and scent were used to identify open-ended responses relating to the theme of smell. A table of the themes and keywords, along with the results of the responses, are provided in Table 9 in Chapter 4.

#### 3.3 Observations

Observations of the school VIP latrines were conducted by the author, formally twice and informally two to three times a month, from January to June 2014. For the formal observations, the author investigated the cleanliness and general condition of the facilities. She kept records of items such as presence of feces on the latrine slab, presence of a door lock on outside of entranceway, condition of inside door latch, presence of garbage/paper in the latrine stall, smell of the facility, presence of people using the latrines, and other notable observations. No formal observation form was utilized, but personal notes were recorded. During the first formal observation, notes regarding the technical design of the facilities, including number of stalls, pits, and vent pipes, presence of ventilation hole in entranceway, location of latrines in relation to water and classroom buildings, and general construction materials and layout of the facilities were recorded. During the informal investigations, the author would walk around the latrines to observe if any changes or maintenance had occurred.

Please note that observations were made by the author per the methods described. However, due to public health concerns stemming from the outbreak of the Ebola virus disease, all Peace Corps Volunteers (PCV) in Liberia were evacuated in August 2014. The author had the intention of conducting specific measurements and additional field research, including a

second set of surveys, until her scheduled departure in December 2014. Unfortunately, the evacuation disrupted these plans. The author was therefore unable to complete all measurements for the school latrine construction and siting. By utilizing photographic records, satellite images, and measurements made by another USF Master's International PCV, who lived in neighboring Nimba County, results and comparisons were made between the TWI school latrines and literature. Because latrines in both counties were sponsored by UNICEF and visually looked the same, it is assumed that the dimensions of the school latrines in Nimba County are similar to the latrines in Zwedru, Grand Gedeh County (Murphy, 2015).

#### **CHAPTER 4: RESULTS AND DISCUSSION**

As previously discussed, this thesis has three objectives as follows: 1) to investigate VIP latrine design in an effort to ascertain if the communal school VIP latrines located on the TWI campus were properly designed and constructed, 2) to determine the user preferences and motivations impacting the adoption of these school latrines, and 3) to develop a framework relating design factors and user preferences to latrine adoption. This chapter examines the results of field observations and surveys and then correlates this data in relation to the thesis objectives. To accomplish objective one, the author has provided a comprehensive literature review in Chapter 2. In this chapter, field observations are used to evaluate the VIP latrines located on the TWI campus in terms of accepted design and construction as established in current literature. For objective two, data from user surveys is discussed and analyzed to expose what VIP latrine design factors, communal facility factors, and personal user background factors impact user preferences and adoption of school latrines in Zwedru, Liberia. Finally, based on results from objectives one and two, the author developed a framework for user preferences and design factors that impact usage of communal school VIP latrines. This framework satisfies objective three and provides a method to enhance sanitation technologies in the future by applying both critical user preferences and proper VIP latrine design to ensure sustainable and effective school sanitation.

## **4.1 Design and Construction of School VIP Latrines**

Chapter 2 reviewed standard guidelines for VIP latrine design criteria, including vent pipe features, superstructure and entranceway construction, cover slab and drop hole specifications, and pit sizing. The recommendations considered for VIP latrine design and construction, as summarized in Table 2, were collected from established organizations, including the World Bank (Mara, 1984) and Mihelcic et al., (2009). Also included in the review are parameters specific to WASH in schools from the United Nations International Children's Emergency Fund (UNICEF) and the United Kingdom's Department for International Development (DFID) (Leathes et al., 2011; Mooijman, 2012). These school latrine guidelines are reviewed in Table 3. Finally, Liberia's Ministry of Public Works (MPW) national standards for institutional latrines are discussed and provided in Table 4 (The Republic of Liberia Ministry of Public Works, 2010). The subsequent sections will compare each aspect of the TWI school VIP latrines to the guidelines examined in the literature review.

### 4.1.1 Vent Pipe Design

As previously discussed, the vent pipes of the VIP latrines are critical to the effective operation of the technology. Each block of the multicompartment twin-pit VIP latrines at TWI has seven vent pipes. This is consistent with the proper design of a VIP latrine block with six stalls. The vent pipes are light grey PVC pipe and each one is covered with a fly screen. Although not a dark color, the PCV material is recommended in literature and the vital fly screen, to control fly populations, is present. The author was unable to verify in the field if the fly screens are in proper condition, without holes and tightly sealing the pipes, but from visible inspection of photos, they appear to be correct. Additionally, the author did not have the opportunity to measure diameter and heights of the vent pipes due to her unexpected departure

from Liberia due to the Ebola outbreak. Per international standards, the vent pipe outlet is supposed to be 500 mm higher than the highest point of the superstructure and located 2 m away from tree branches and high buildings. For the TWI latrines, the majority of the vent pipes extend above the highest point of the superstructure, but the actual height is uncertain. It also appears that the vent pipe outlet heights are inconsistent with each other, likely due to limited available resources. The latrines are located behind the school buildings and there are no trees obstructing the outlets of the vent pipes. Because dimensions of the pit and environmental data regarding wind patterns were not recorded, the amount of air exchanges provided by the vent pipes are indefinite. Overall, the vent pipes appear to be constructed per design specifications for VIP latrines.

### **4.1.2** Superstructure and Entranceway Design

There are two blocks of latrines on the shared TWI/J.C. Barlee campus. Each has six stalls (two for boys, two for girls, and two for teachers). Refer to Figure 6 in Chapter 3 for a photograph of one of the VIP latrine blocks. In conjunction with the MPW guidelines, the latrines are constructed of bricks, although it is unknown if the bricks are mud or concrete, and layered over with mortar. The roofs are corrugated zinc sheets with wooden frame. The author was not able to measure all the dimensions of the structure. Abiding by the MPW specifications, the school latrines have brick privacy walls installed in front of the boys' and girls' stalls. Although these privacy walls follow the national standards, international VIP latrine guidelines do not call for these privacy walls. DFID recommends a privacy wall to separate individual blocks of boys' and girls' latrines that should be located 10 m apart from each other. However, this is not how the TWI latrines were constructed because the same latrine block has stalls for both genders.

Another major aspect of the TWI latrine superstructure design that is inconsistent with VIP latrine design is the doorways. The school latrines have door coverings, which are recommended for VIP latrines, but they are missing the air gaps or vents. The air gaps in the doors are necessary in order to allow air flow through the superstructure, into the pit, and then out the vent pipe. This circulation of air is essential for the odor control of the sanitation facility. The missing air gaps in the door coverings and the privacy walls in front of the stalls obstruct air flow through the facilities and may be significant factors contributing to the foul odor of the school latrines. Although the air gap is missing from the door, the latrines are oriented correctly (towards the prevailing winds) so if the door and privacy walls were modified, the air circulation could be improved. Modifying the doors would be as simple as cutting the upper portion of the wooden door off to allow for an air gap between the latrine wall and the top of the entry door. This could be completed by a student that is skilled in construction and thus cost the school little to no expense. This minimal modification has the potential to significantly improve the VIP latrine air flow and odor control aspect of the VIP latrine operation.

There is another issue with the doors of the TWI latrines. Each stall has an inside latch to provide privacy when using the latrine and an outside lock to secure and protect the school facilities. However, when the author observed the latrines, only two of the twelve latrines were locked from the outside. Because of this, community members with no affiliation to the school would use the facilities. During an informal observation, conducted while the afternoon school was in session, the author observed a man from the community enter the campus and use one of the girl's latrine stalls. It is assumed that community members would use the school sanitation facilities more often during the non-school hours of the evening and early morning. This improper operation of the latrines increases the number of users and, when coupled with the

insufficient maintenance, results in poor and inadequate sanitation facilities. With the general community population using the latrines, rather than the intended school population, the facilities become, in a sense, public latrines that are neither owned nor operated by a qualified entity and would be classified as an unimproved sanitation facility. Additionally, many of the stall latches on the inside of the latrines were nonfunctional or missing pieces when the author observed the latrines. These broken latches may decrease user adoption rates and the overall safety of the latrines.

# 4.1.3 Cover Slab, Drop Hole, and Pit Design

Per twin-pit latrine design guidelines, each TWI latrine stall has two drop holes in the cover slab, with only one in use and the second sealed at any given time. The drop holes are key shaped. Assuming the dimensions are the same as the UNICEF school latrines in Nimba County, the length of the hole is 42 cm, the width is 4 - 4.5 cm, and the diameter is 23 cm (Murphy, 2015). This diameter is slightly larger than the 20 cm width maximum recommended by international VIP latrine design guidelines and the 15 cm diameter stated in Liberia's MPW specifications. The drop holes in operation remain uncovered at all times, adhering to VIP latrine operation guidelines. Behind the superstructure, the pits have removable cover slabs which allow for contents removal once the waste has decomposed, but Zwedru does not currently have a removal service. Dimensions and construction of the pit were not measured or recorded by the author.

### **4.1.4 Ratio of School Population to Latrines**

Based on survey responses and estimated school populations, it was determined that there are too few latrines on campus. Table 7 summarizes the approximate number of students to

latrines given several various scenarios, including the full population (1,600 students) of both schools using the two latrine blocks, the population of a single school (800 students) using the two blocks, and the population of a single school using their one latrine block. The ratios are provided based on gender and total population.

Table 7 Ratio of students to school latrines in this study based on approximate student populations.

Gender	Ratio of Students to Latrines (1,600 Students <sup>1</sup> ; Use of Two Latrine Blocks <sup>3</sup> )	Ratio of Students to Latrines (800 Students <sup>2</sup> ; Use of Two Latrine Blocks <sup>3</sup> )	Ratio of Students to Latrines (800 Students <sup>2</sup> ; Use of One Latrine Block <sup>4</sup> )
Male (56%)	224 boys per latrine	112 boys per latrine	224 boys per latrine
Female (41%)	164 girls per latrine	82 girls per latrine	164 girls per latrine
All Students (100%)	200 students per latrine	100 students per latrine	200 students per latrine

<sup>1</sup> Assuming Both Morning and Afternoon Session students together

Assuming that TWI and J.C. Barlee students (1,600 total students) use the two VIP latrine blocks (six stalls each, with four latrines per block assigned to students, thus eight student latrines total) directly behind the classroom building, and not the Zwedru Kindergarten latrines, the ratio of total students to student latrines is 200 to 1. However, because these two schools are in session during different times of the day, only half the total number of students are on campus at any given time. This results in a ratio of 100 students to each latrine. This ratio of students per latrine can also be examined for males and females. Based on the survey gender responses, more males are enrolled in school so the ratio for boys, when assessed for a single school session, is 112 students to one latrine. These values are based on the actual practice of latrine usage as observed by the author, in which neither school has truly taken ownership of a latrine block so

<sup>2</sup> Assuming Single Session (ie. only TWI afternoon session) students

<sup>3</sup> As per common practice, assuming TWI and J.C. Barlee students use both VIP latrine blocks

<sup>4</sup> As per theory and intent of donors who sponsored latrine construction, assuming each school owns one specific latrine block

both of them are used by both school sessions. However, in theory, as was the aim of the latrine construction sponsor, each school is intended to have a single block which is owned, used and operated, and maintained by that individual school. When examined in this manner, the ratio of students to latrines increases significantly because there are fewer latrines available. For boys, the ratio becomes 224 males per latrine and for girls, the ratio is 164 students per latrine. Table 7 summarizes the ratios of students per latrines as described.

As discussed in Chapter 2, the recommendation for students per latrine on a school campus is 20-40 students, or when necessary 60 students (Leathes et al., 2011; Mooijman, 2012). Comparing the ratios from the TWI and J.C. Barlee schools in Liberia, the sanitation facilities on campus are insufficient for standards applicable to student populations.

However, as previously discussed, the estimated student populations may be higher than actual student presence on a typical school day because many students drop out of school and attendance is often sporadic. If it is assumed that the TWI survey participants represent a typical number of students on any given day, then the student population decreases to 453 students (grades seven to twelve). Ratios of students per latrine, assuming the student population is the same as the number of survey respondents, are provided in Table 8.

Table 8 Ratio of students per latrines based on TWI survey respondents.

Gender	Ratio of Students to Latrines (453 Students <sup>1</sup> ; Use of Two Latrine Blocks <sup>2</sup> )	Ratio of Students to Latrines (453 Students <sup>1</sup> ; Use of One Latrine Block <sup>3</sup> )
Male (56%)	65 boys per latrine	129 boys per latrine
Female (40%)	45 girls per latrine	91 girls per latrine
All Students (100%)	57 students per latrine	113 students per latrine

<sup>1</sup> Based on TWI survey participants

<sup>2</sup> As per common practice, assuming TWI students use both VIP latrine blocks

<sup>3</sup> As per theory and intent of donors who sponsored latrine construction, assuming TWI owns, operates, and maintains one latrine block

Based on the TWI survey participant population (453 students), the ratio for girls falls into the recommended guideline of 60 students per latrine when necessary, with 45 girls per latrine, when it is assumed that TWI students use both of the latrine blocks. However, the 65 boys per latrine ratio is still above the recommended DFID ratio of 60 students per latrine. When investigated as designed, with the intention of TWI owning and using only one of the latrine blocks, the ratio again increases above the recommended values.

A urinal was built to encourage sanitation facility use on campus. Based on literature, the presence of a urinal will impact the recommend guideline ratios for students per latrine. UNICEF states that for each toilet and urinal, 50 males is an acceptable number. Even with the addition of the new urinal facility, TWI and J.C. Barlee schools still have an inadequate number of sanitation facilities. Four twelfth grade students even noted on their surveys that the school latrines are bad because they are "not plenty according to our population."

# **4.1.5** Siting and Location of Latrines

The proper location and siting of school latrine facilities plays a key role in the effectiveness of school sanitation. It is important that latrines are constructed in a secure area and near enough to the school for convenience and safety of students, but still far enough to provide sufficient privacy and avoid odor nuisances in classrooms and offices. By examining satellite images, it appears that the TWI/J.C. Barlee latrines are located approximately 2.5 – 5 meters away from the back of the classroom building and 20 meters away from the campus's water pump. According to international recommendations, school latrines should be 10 m downwind of buildings and 30 m downhill from a well or water source. Based on these guidelines, the TWI latrines are located too close to the school buildings and water pump. In fact, in the open-ended survey questions, 76 respondents mentioned the foul smell of the latrines as a negative and of

those, ten specifically stated that they could smell the latrines while sitting in the classrooms. Additionally, against international recommendations, the TWI school latrines are situated next to the campus's solid waste garbage dump. The TWI latrines are located within the campus fence, but the main gate of the fence was broken and unsecured at the time of the observations and surveys. The latrines from this research are not located in an ideal location. According to latrine guidelines, they are too close to the school building and to the water pump. Because of their location, they do not allow adequate privacy and they can disturb classes due to foul smells.

## 4.2 Socio-demographic Data

A total of 709 surveys were administered at TWI Junior and Senior High School and J.C. Barlee Elementary. Of the total respondents, 57% were male, 40% were female, and 3% did not specify a gender. A chart of the distribution of respondents by grade/school position is provided in Figure 7.

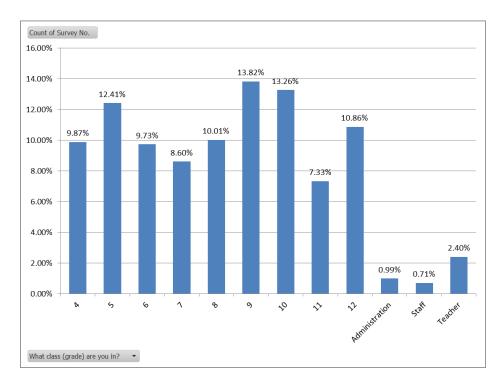


Figure 7 Distribution of survey respondents by grade level/position at school (n = 709).

Of the 709 survey respondents, 29 were administrators/faculty/staff and 680 were students ranging from fourth grade to twelfth grade. In percentages, administration/faculty/staff represent 4% of the total respondents, J.C. Barlee Elementary students are 32%, and the remaining 64% of respondents are TWI students (33% from Junior High, grades seven to nine; 31% from Senior High, grades ten to twelve). It is important to recall that not all of the elementary students were included in the study; only grades four to six were surveyed due to time and resource constraints.

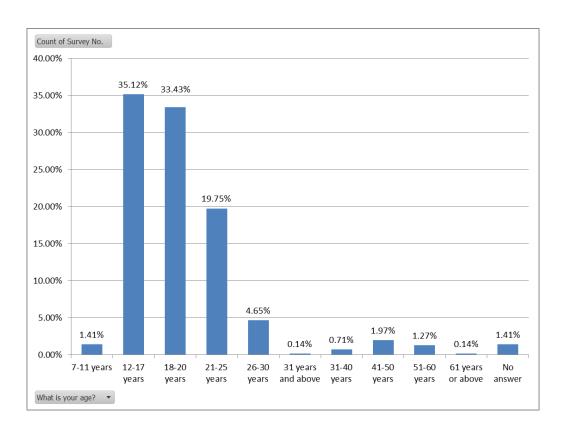


Figure 8 Distribution of survey respondents by age (n = 709).

Figure 8 provides the percentage breakdown of respondents by age. Again, the total number of respondents or sample size is 709. The significant majority, 89%, of survey participants were between the ages of 12 to 25 years as categorized into three age ranges in this

survey: 12-17 years, 18-20 years, and 21-25 years. Although the students surveyed are in primary or secondary school, the ages of the students are not typical due to limited financial resources of pupils and their families and the recent history of the country which disrupted all aspects of life, including education. Ages for TWI senior high students are displayed in Figure 9. In the senior high (grades ten to twelve), only 5% of the students are ages 12-17, the typical senior high age range in the United States. Instead, 42% and 40% of the students are ages 18-20 and 21-25 years, respectively.

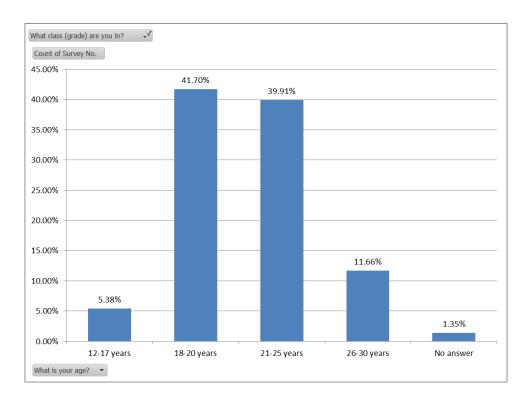


Figure 9 Age distribution of TWI Senior High student survey respondents (n = 223).

However, when comparing user responses, it is logical to evaluate the answers by grade, rather than by age. This is due to the fact that the surveys were administered individually to one class or grade level at a time. Also, the majority of students in a single class fall under the same age range, but the various age ranges extend over several classes. By examining responses in

this manner, the author is also able to discern which populations she taught or worked with on a daily basis. The largest differences were responses between classes. For example, when the data was evaluated by gender, there were no significant differences between male and female responses.

#### 4.3 User Preferences and Motivations

As described in Chapter 3, surveys were administered to students and faculty from TWI and J.C. Barlee schools. The surveys focused on three specific aspects of latrines that impact user adoption: cleanliness, safety, and comfort. These factors were selected based on a preliminary literature review and previous studies. The survey also allowed users to provide comments and feedback through open-ended questions and asked users about their latrine use frequency. Complete results from the surveys are provided in Appendix G.

The survey investigated frequency of use for the school latrines. For usage, 77% of total respondents stated that they do use the communal latrines, while 22% do not use the latrines. For the individuals that use the latrines, the survey also questioned how often they use the facilities and various time ranges were provided for selection. Figures 10 and 11 provide details from the survey responses regarding latrine use and latrine use frequency. It should be noted that although 77% of participants said they use the latrines, 85% of the total respondents still answered the follow-up question about frequency, so some of the respondents that originally selected no still answered the second question. Of the 604 respondents that answered the question about school latrine use frequency, 88% use the latrines daily, one time a week, or 2-3 times per week. This usage is high for communal latrines.

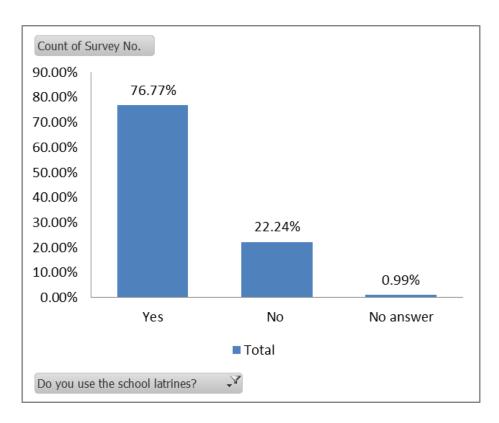


Figure 10 Survey responses to "Do you use the school latrines?" (n = 709).

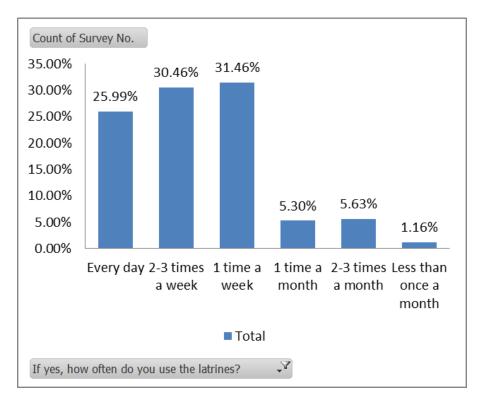


Figure 11 Survey responses to "If yes, how often do you use the school latrines?" (n = 604).

#### **4.3.1 Latrine Cleanliness**

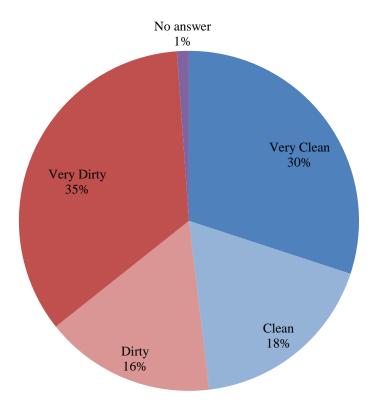


Figure 12 Survey responses to "How clean are the school latrines?" (n = 709).

Figure 12 depicts the participant responses when asked "How clean are the school latrines?"; 35% of the 709 respondents selected very dirty. This was followed by 30% very clean responses and then 18% clean and 16% dirty. In previous studies dealing with sanitation technologies, latrines generally had lower ratings for cleanliness than other improved sanitation technologies, such as sewered connections and flush water closets. Additionally, communal latrine users typically concluded that cleanliness was a significant factor in being dissatisfied with their sanitation facilities (Seymour, 2013).

The responses for very clean and clean were investigated more to understand user perceptions. Upon review it was found that certain groups may have made selections, not based

on the reality of the situation, but on their perceptions of what they wanted or what they believed the author wanted to hear. Responses from various groups are displayed in Figures 13, 14, and 15.

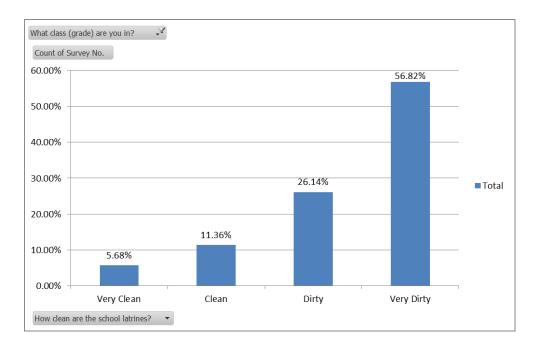


Figure 13 Grade 5 survey responses for "How clean are the school latrines?" (n = 88).

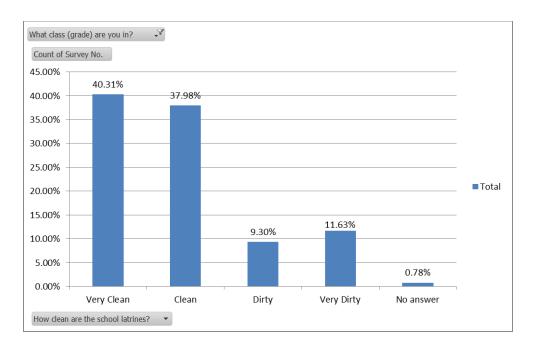


Figure 14 Grades 11 and 12 survey responses for "How clean are the school latrines?" (n = 129).

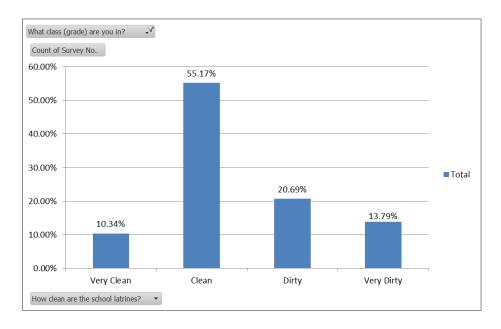


Figure 15 Administration, faculty, and staff survey responses to "How clean are the school latrines?" (n = 29).

Figure 13 displays responses from the Grade 5 J.C. Barlee elementary class. The distribution is the curve that was expected or hypothesized by author. Note that the author did not know the fifth grade students at the time the survey was administered and the students were not familiar with her because she only worked on the campus in the afternoon, during the secondary school session. In contrast, Figure 14 shows the responses from TWI's Grades 11 and 12. The majority of the respondents selected positive results for latrine cleanliness. The author, who was serving as the physics teacher to Grades 11 and 12, credits this to her students wanting to respond positively either because they believed that is what their teacher wanted to hear or because they wanted to reflect the impact that their teacher had on the student health club and the sanitation facilities (even though the latrine operation and maintenance plan had not yet been placed into effect). A similar trend with positive responses is observed with the administration, faculty, and staff answers in Figure 15. Because the author had friendly work relationships with most faculty, their responses may also be impacted for the previous reasons mentioned for

Grades 11 and 12. Additionally, the author believes that administration was attempting to salvage the reputation of the school and themselves. It is known that the school is responsible to operate and maintain the sanitation facilities so it appears beneficial for them to answer positively and claim that the facilities are clean.

Regardless of the reasoning behind the perceptions, a well-defined consensus on latrine cleanliness was not established through this user perceptions survey. Although 51% of the total respondents judged the communal latrines to be dirty or very dirty, 48% stated they latrines were clean or very clean.

# **4.3.2** Latrine Safety

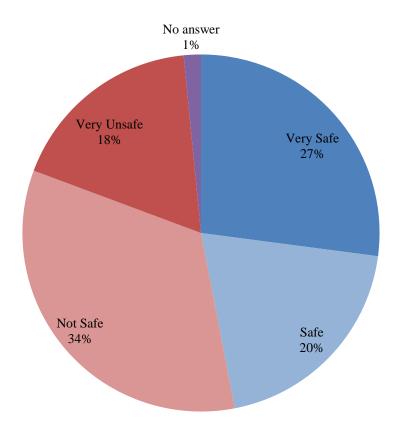


Figure 16 Survey responses to "How safe are the school latrines?" (n = 709).

The survey also asked users about latrine safety. The definition of safe was not defined for the survey participant so respondents were able to interpret as they wished. Through openended question responses and questions and comments during the survey administering, the author believes that the word safe was interpreted in two ways, either in terms of health safety or in terms of safety and security. As seen in Figure 16, 34% of respondents perceived the school latrines as not safe, followed by 27% viewing them as very safe.

Again, various classes responded drastically differently to this question. Figures 17 and 18 display responses from grades 5 and grades 11 and 12, respectively.

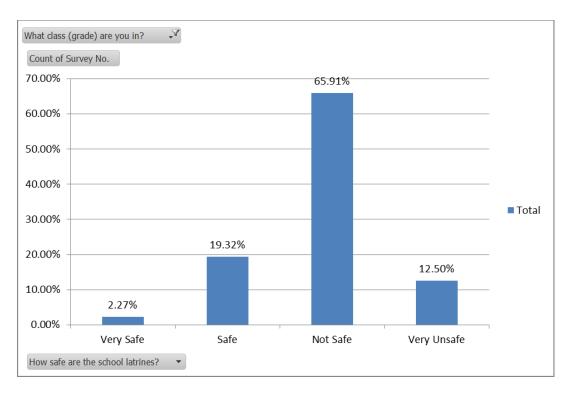


Figure 17 Grade 5 survey responses to "How safe are the school latrines?" (n = 88).

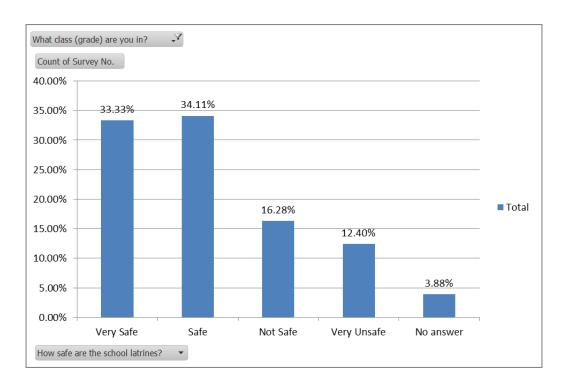


Figure 18 Grades 11 and 12 survey responses to "How safe are the school latrines?" (n = 129).

The author credits the same reasoning as previously discussed for the variances in responses between classes, although the differences in age may also be a contributing factor. As experienced by the author and other Peace Corps Volunteers throughout the country, an additional factor to mention is the cultural acceptance of spying or cheating in the Liberian school system. Often, one student answers test questions (or in this case survey questions) and then the surrounding students simply copy from the original student's sheet. It is easier to select these copies based on open-ended questions, but it is difficult to determine which student had the original answers. Students also copy from several different peers so responses may not be exactly the same.

The author was uncertain how students and staff would respond to this safety question.

Unlike the cleanliness question, where she fully expected dirty and very dirty responses if the respondents were being honest, the expectations for safety responses were not well established.

Because the latrines are located in close proximity to the school buildings, within the campus fence, and visible from multiple vantages, the facilities could be considered safe when judged in terms of security. However, because of the lack of maintenance and the filth in and surrounding the latrines, the author would understand if the latrines were deemed unsafe for health reasons or simply because one would not want to say anything positive about the latrines. It appears that no clear consensus was identified from the responses of the this school latrine safety question because 52% of respondents claimed the latrines were very safe or safe, while 47% perceived the latrines to be unsafe or very unsafe.

#### **4.3.3** Latrine Comfort

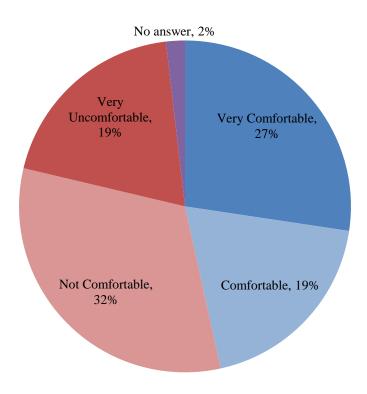


Figure 19 Survey responses to "How comfortable are the school latrines?" (n = 709).

The third aspect of the communal school latrines that was investigated via the user surveys was comfort. Once more, the feature was not defined for the respondent, but being comfortable or "feeling free" is a concept understood by Liberians. Figure 19 depicts the responses from all survey participants for "How comfortable are the school latrines?"

Of the 709 survey participants, 51% believed that the latrines were not comfortable or very uncomfortable, while 46% selected comfortable or very comfortable. Once more, distinct classes answered the question in differently; Figures 20-22 display responses from different school populations.

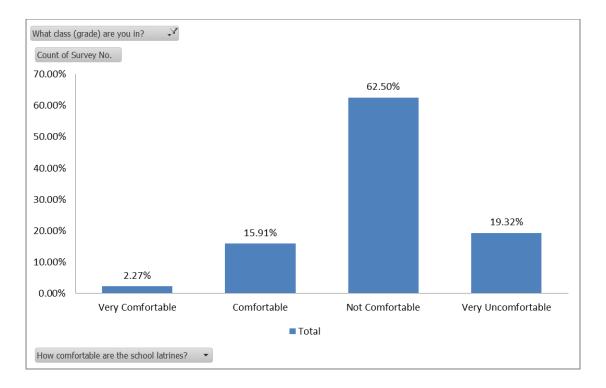


Figure 20 Grade 5 surveys responses to "How comfortable are the school latrines?" (n = 88).

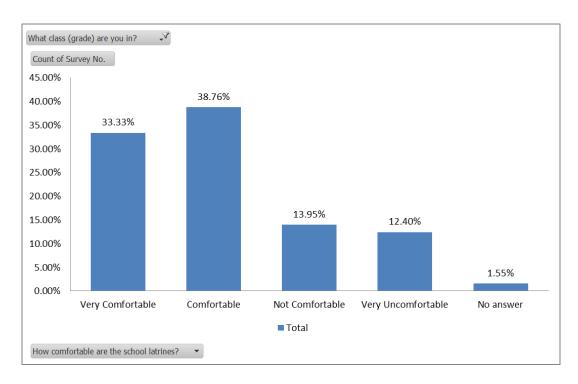


Figure 21 Grades 11 and 12 survey responses to "How comfortable are the school latrines?" (n = 129).

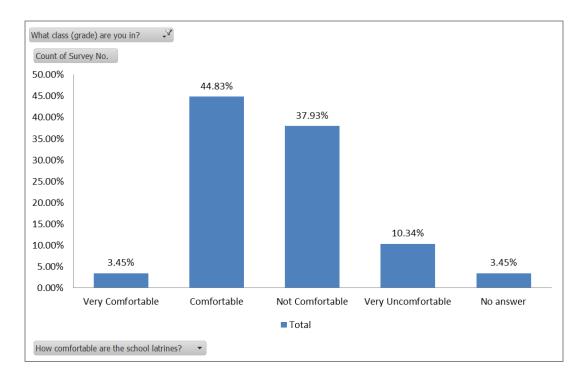


Figure 22 Administration, faculty, and staff responses to "How comfortable are the school latrines?" (n = 29).

Grade 5 overwhelmingly, with 63% of the 88 responses, deemed that the school latrines were not comfortable. In contrast, 72% of the grade 11 and 12 responses (n = 129) state that the latrines are very comfortable or comfortable. Interestingly however, administration, faculty, and staff responses (n = 29) were split between positive reviews for comfort (48% of answers for very comfortable or comfortable) and negative reviews (48% for not comfortable or very uncomfortable).

## **4.3.4 Open-Ended Survey Questions**

In addition to the multiple choice questions which allowed participants to select the cleanliness, safety, and comfort levels of the school latrines based on provided options, the survey included open-end queries. These questions urged users to "Please explain what is beneficial or good about the school latrines" and "Please describe what is negative or bad about the school latrines." As previously mentioned, many of the responses were the same because of the practice of spying and helping friends and some respondents did not write anything for the open-ended questions. Of the total 709 surveys, 40 respondents did not write anything for the positive remarks on the latrines and 68 did not include any negative comments. It should be noted however, that some students mixed up the questions and wrote their comments about the bad aspects of the latrines under the question for good features. Many responses also just repeat the themes of cleanliness, safety, and comfort that were addressed in other survey questions.

In the responses to these open-ended questions, several different themes arose. Upon review of the survey data, the themes were identified by the author based on frequency of the word or set of words falling under the theme. The first theme recognized was the smell or odor of the latrines, which included keywords smell, smelling, odor, and scent. As mentioned in the latrine design discussion, 76 of 709 users acknowledged the foul smell of the latrines as a

negative characteristic. Based on the author's observations of the facilities, the latrines often had an unpleasant odor. Most of the responses simply have some version of "the latrines smell" or "the latrines smell bad" as the response. However, one unique comment was provided by a grade 9 female student, age 21-25. Her comment stated that "When the sun is very hot or when the wind blow(s) the latrines smelled very bad." This observation is distinctive because she provides reason for her opinion or answer, something not commonly observed by the author during her two years teaching in Liberia. It is also interesting because her comment connects the importance of latrine design to user preferences. As discussed in the literature review, the vent pipe aims to provide air exchanges from the pit to control odor; this is achieved by wind blowing across the vent outlet and by temperature variations between the pit and the ambient atmosphere. The student's comment directly links these design criteria to the resulting smells of the latrines and insinuates that the latrines are not functioning properly.

A second topic that relates to latrine design and construction that occurs frequently in the open-ended responses is the materials used to build the latrines and the latrine components. For analysis, the following keywords were used to distinguish these responses: door, lock, window, hole, zinc, paint, and construction. Forty-four (44) of 709 respondents mentioned at least one of these keywords in their open-ended responses, with door appearing most often. The keyword door is used 31 times, of which 24 replies are in describing negative features of the school latrines. Often the comment is in relation to the door and lock, such as "the school latrines are bad because no lock on the door." A few of the replies also discuss that the door is not comfortable. In this terminology, comfortable is not defined, but it may be in relation to the lack of locks or perhaps to the fact that the door has no air gaps and the superstructure has no windows, so when the door is closed little light is able to enter the structure. The author inferred

this concept of absence of light because some responses also mention that the structures have no windows. For operation and efficiency of the VIP latrine technology, no light in the structure is ideal, but for user preferences, light is preferred when using a latrine. Hole (drop hole) was also used to describe negative aspects of the communal latrines. In terms of construction, hole is only mentioned four times and the comments state that hole is bad and there should be better seating for users.

Although the doors, locks, and drop holes were typically viewed as negative facets of the school latrines, some respondents commented on positive construction materials. Paint was used twice and zinc (the roofing material) was used four times to describe something good about the latrines. However, the zinc was also mentioned in other responses as being bad because it was old. One student commented that the overall construction of the latrines was good.

Another theme occurring frequently in the responses was the condition of the inside of the stalls or, more bluntly stated, the presence of feces. Although hole was mentioned several times in regards to construction, it was also referred to in relation to this theme, in the sense that people do not use the drop hole properly. Keywords used to identify this theme were pupu/poopoo, toilet, floor, and around. Of the total surveys, 68 users mentioned the presence of pupu on the latrine floor or around the facility. Some of these responses also state that there was feces on the walls, as if someone has used the wall to wipe themselves clean. All discussions of this theme were focused on the negative characteristics of the communal school latrines.

The use of the school sanitation facilities by community members and people unaffiliated with the TWI or J.C. Barlee schools was a theme in the open-ended survey responses. During the sanitation workshop with the student health club, while students and faculty were developing the school's latrine operation and maintenance plan, they agreed that nothing should be implemented

until the campus fence was complete and the facilities were secure. This was due to the fact that they did not want community members coming from outside to dirty the latrines or spoil their maintenance work. Of the 709 surveys, 63 participants revealed that a negative feature of the school latrines was that anyone from the community could access and use the facilities, although they were intended only for the school population. One tenth grade male, between the age of 18-20, notes that the school latrines are bad because "When the school latrine is not restricted, properly clean, any other person from outside of school can use it, and it is very bad." He continues by recommending that the latrines be placed in a fence, locked at all times, and restricted by the administration. His recommendations mirror the operation and maintenance plan that was developed, but yet to be implemented.

A final theme from the user surveys was the health aspect of the latrines. Seventy-seven (77) of the 709 survey respondents mentioned disease, sick/sickness, and/or hand washing. Unlike the presence of feces on the floor or the community usage of latrines, which were both referenced as completely negative characteristics, the health impacts were sometimes regarded as negative and sometimes positive. Twenty participants understood the potential beneficial impacts of proper sanitation because they mentioned that it is good to wash hands after using the latrines and that latrine adoption can decrease sickness and disease. These comments seemed to be in relation to general sanitation and not specific to the school latrines. However, 57 of the 77 health responses state that the school latrines are bad because they are dirty, users can get sick, and that there is no water and/or soap available to wash hands after using. A male ninth grade (18-20 years old) student summarizes these perceptions of positive and negative health aspects by stating "The beneficial or good about the school latrines is when the school latrine is clean, we

can be healthy, but when it is dirty we contact (contract) disease from the latrines. The school latrines is very dirty to the extend (extent) that we cannot be able to go in it."

Table 9 Summary of open-ended survey question responses (n = 709).

Theme	Keywords	Comments from study author	Number of user responses that use a key word in their open- ended question response
Smell	Smell; smelling; odor; scent	The smells of the latrines were referenced in terms of the negative aspects of the latrines.	76
Latrine construction	Door; lock; hole; zinc; paint; construction	Doors, locks, and holes (drop holes) were generally referenced in terms of negative aspects, while the zinc and paint were positive features.	44
Presence of feces	Pupu/poopoo; toilet; floor; around; hole	The presence of feces or pupu on the latrine floor and around the latrines was mentioned as a negative feature of the school facilities.	68
Use by community	Community; outside	The practice of community members and individuals from outside the school population using the school VIP latrines was deemed a negative characteristic.	63
Health aspects	Sick/sickness; disease; hand	Adequate sanitation has potential to be beneficial, but because the school latrines are dirty and water and soap are not available, users can get sick.	77

# 4.3.5 Home Sanitation Technologies of School Population

To provide additional background on the school population and the household sanitation technologies in Zwedru, the school sanitation user preferences survey inquired "Where do you go to the bathroom at your house?" Options, including outside (bush), private pit latrine, private VIP latrines, private pour-flush commode, shared pit latrine, shared VIP latrine, and shared pour-

flush commode, were available for selection by the survey participant. The survey provided a definition of private (one household) versus shared (more than one household), but did not explain the variations between the sanitation technologies. Figure 23 displays the distribution of user responses.

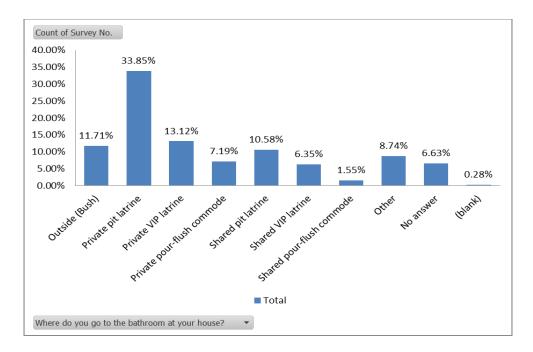


Figure 23 Survey responses to "Where do you go to the bathroom at your house?" (n = 709).

As displayed in Figure 23, 34% of the respondents noted that they use private pit latrines at their houses, followed by 13% with private VIP latrines and 12% practicing open defecation (outside/bush). The 9% displayed as other had selected more than one technology. Upon investigation, no clear connection between household sanitation facility and responses to the communal school latrine questions were found. However, it should be noted that 6% of respondents said that their home sanitation facilities are the same type (shared VIP latrines) as the school technology. Following the JMP sanitation ladder, any of the private facilities would be considered more advanced than the shared VIP latrines. Of the survey participants, 54% stated

that they use a private sanitation technology at their house, while 6% use the same type of shared technology and 24% use other shared facilities or practice open defecation. Although over half of the respondents have more improved sanitation facilities available for their use, according to the survey results 77% of total respondents declared that they use the school latrines. This shows that the type of household sanitation may not impact the usage of communal school latrines.

## **4.3.6 Survey Limitations**

There were several challenges and limitations relating to the user preferences survey. As previously discussed, the author was a teacher at TWI during the study. She served as the physics teacher for the eleventh and twelfth grade classes and was well known on the high school campus. The surveys were administered in May and June 2014 and, at this point in time, the author had been an active teacher at the school for two full academic years. Because of this relationship, many of the students and faculty may have believed that the author had a personal connection to the outcome of the survey and thus believed that she wanted positive results. This relationship may have resulted in biased participants that may not have been answering the questions honestly. If time and resources had allowed, the author could have conducted comparative surveys at other schools in Zwedru where she had not been involved in daily teaching and administration activities. In Zwedru alone, there are two additional government secondary schools and four private secondary schools, all with sanitation facilities, predominantly VIP latrines. By performing and analyzing further surveys from different school participants, the author could establish how her relationship to the TWI users impacted the survey findings.

Another limitation to the survey was the open-ended questions. Liberia's education system is severely deficient and many students are unable to read and write, yet they continue to

pass through grades. There were many spelling errors and poor handwriting in the open-ended portions of the surveys and the author did her best to distinguish the concepts that the respondent was attempting to express. For example, many students wrote that the latrines small bad, which could mean that the latrine stalls are too small or the latrines stalls smell bad. In future surveys, the author recommends that key themes or words, such as smell, pupu on floor, community members using facilities, construction materials, hand washing, disease, etc., be provided for the users to select from when answering questions like what is good or bad about the latrines. This would eliminate the open-ended questions and the necessity for the author to interpret the writing of the respondents. However, this type of survey may also lead the users, rather than allowing them to think of their opinions independently.

The author also noticed that sometimes the open-ended questions did not match the scale selections for the cleanliness, safety, and comfort questions. For example, users would sometimes select clean as the response to "How clean are the school latrines?", but would then respond in the open-ended "What is bad about the latrines?" question that the latrines were very dirty. These discrepancies may be caused by users not fully understanding the questions, participants copying from their peers, or participants striving to answer the question correctly, although it is a survey with no correct answers, only user perceptions and opinions.

Another limitation was the terminology used in the survey. Although the survey mentioned ventilated improved pit (VIP) latrines in the title, all the questions, except for the final question, asked about the school latrines. The final question was an open-ended question asking if the participant had any additional comments regarding the VIP latrines. As is common in the English language, Liberians understand VIP to be a very important person. Some users interpreted this question to mean the latrines for important people, rather than the type of latrine

technology, so they answered the question as if the school had separate facilities for important visitors, which it does not. This misunderstanding relates to the respondents' familiarity with sanitation technologies. There was also a question asking respondents what sanitation technology they use at their home, which also relies upon respondent knowledge of sanitation facilities.

It was the original intention of the author to give a preliminary survey, followed by a health and sanitation lesson for each grade level, taught by TWI health club students, coupled with improved operation and maintenance (O&M) of the school latrines, and finish with a second survey set. Unfortunately, the public health crisis disrupted all daily life in Liberia and forced the author to end her Peace Corps service abruptly without completing the health lessons, implementing the O&M plan, and conducting the second set of surveys. The understanding of sanitation facilities may have improved following the health lessons, which would have resulted in more appropriate responses for the questions that relied heavily on participant knowledge of such technologies.

Finally, the survey was limited in that it assumed that user preferences and latrine adoption were directly correlated. When creating the survey, the author assumed these two notions were closely interrelated and she did not specifically define the concepts. However, the survey results show that perhaps the student population may still use the facilities even though they are not satisfied with all aspects of the communal latrines. This conclusion is made based on the high user rates and the various user perceptions, a mix of positive and negative reviews, regarding latrine cleanliness, safety, and comfort. The fact that the majority of the school population uses the communal latrines, despite their personal preferences, may imply that convenience is a significant factor which impacts school latrine adoption.

# 4.4 Framework for Latrine Adoption

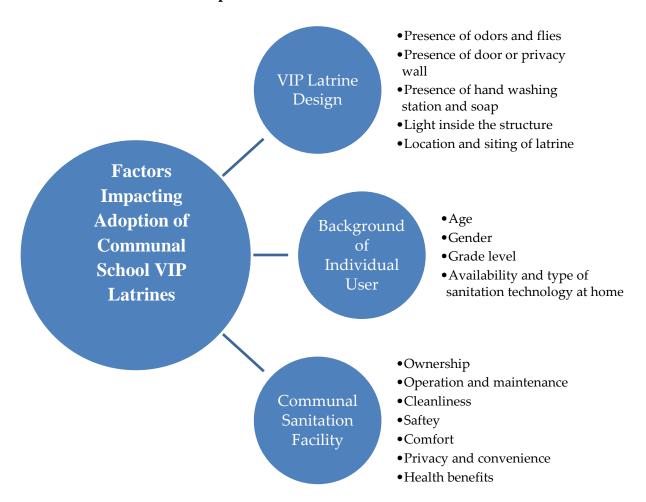


Figure 24 Framework of factors impacting adoption of communal school VIP latrines.

The author originally hypothesized that factors impacting communal school latrine usage would be divided into three categories: VIP latrine design factors, background of individual user, and communal sanitation facility factors. VIP latrine design factors include construction aspects of the facility, effectiveness of the design, particularly in terms of odor control, and location of the communal latrines. Age, gender, grade level, and household sanitation facilities are characteristics of the individual users that may impact their decision to adopt the school latrines. Communal sanitation facility factors that were hypothesized to impact latrine usage on campus include the health benefits of improved sanitation along with the ownership, operation, and

maintenance of the facility; more specifically, the cleanliness, safety, and comfort of the VIP latrines. The factors that influence communal school VIP latrine adoption, as hypothesized by the author based on a preliminary literature review, are summarized in the framework diagram in Figure 24.

Through research, it was found that VIP latrine design components appear to influence user preferences at the study site. This is apparent because survey responses discussed construction factors, such as presence of door and locks, presence of hand washing stations, and odor of the school VIP latrines. Numerous respondents, as discussed in the previous section, mentioned the positive and negative qualities of the communal school latrines in relation to VIP latrine design components. The amount of light inside the superstructure, however, was not commented on directly by any respondents, although eight participants mention the lack of window as a negative feature of the latrines.

Factors relating to the background of the individual user, such as age, gender, and available household sanitation facilities, seemed to play a lesser role in responses regarding the communal school latrines. The variances between male and female responses and the responses of different age groups were not significant. The characteristic of the individual user that influenced the survey responses was the grade level of the individual. The author contributes this to the culturally accepted habit of spying and the method in which the study was given by classroom grade levels. The sanitation facilities at the household also appeared not to have an impact on the adoption of the school latrines. Individuals with private household sanitation, which is considered more improved, still used the school latrines. This leads the author to contemplate convenience as a major factor impacting adoption of the TWI communal school VIP latrines.

Finally, it was established that the communal sanitation facility aspects, such as cleanliness, safety, comfort, ownership, operation and maintenance, and health benefits of the VIP latrines impact user preferences. This is evident because many users repeated their opinions of how clean, safe, and/or comfortable the latrines were in open-ended questions of the surveys even though they had already answered the previous multiple choice questions regarding the same topics. The participant comments from the open-ended questions also reveal their perceptions for latrine operation and maintenance and their understanding of the health benefits. The theme of health in the open-ended responses confirms that participants appreciate the health benefits of utilizing appropriate sanitation technologies, but many comments focused on the adverse effects due to the dirty condition of the communal school facilities. The negative themes of feces around the latrines and community members using the school sanitation facilities relate to the lack of latrine operation and maintenance by the school administration. As discussed in earlier chapters, this absence of operation and maintenance is likely due to the circumstance in which the school latrines were designed and constructed without input from the administration or students. Because of this exclusion, TWI and J.C. Barlee schools do not feel ownership of the facilities, as they were never included in initial planning or implementation and never received training on proper VIP latrine operation and maintenance.

When the author established her thesis objectives, she assumed that user preferences and latrine adoption were essentially comparable and interchangeable. Logically, it would make sense for users to only use a sanitation facility that they preferred and enjoyed. After analysis of the survey results however, this notion has been found to be erroneous. The user rates of the school latrines as reported are significant, with 85% of the population surveyed claiming that they use the latrines at least once a week, if not 2-3 times a week or daily. However, simply

because the facilities have been adopted, does not mean that users are satisfied or their preferences are being fulfilled. For example, in the fifth grade class, 52 students claimed that they used the school latrines, but 75% of these 52 students perceived the latrines as being dirty or very dirty. Figure 25 shows the distribution of responses to "How clean are the school latrines?" for the grade five students that use the school facilities.

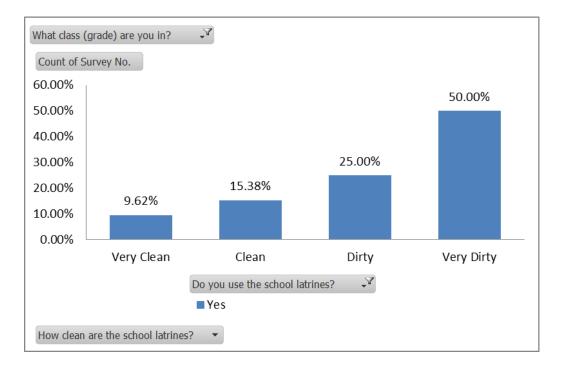


Figure 25 Grade 5 survey responses to "How clean are the school latrines?" from students that said yes, they use the latrines (n = 52).

#### **CHAPTER 5: CONCLUSIONS AND RECOMMENDATIONS**

#### 5.1 Conclusion

This thesis has three objectives as follows: 1) to investigate VIP latrine design and establish if the communal school VIP latrines located on the TWI campus were properly designed and constructed, 2) to explore the user preferences and motivations impacting the adoption of these school latrines, and 3) to develop a framework for factors that influence latrine adoption. These goals were formed by the author in response to her Peace Corps experience working at a high school in Zwedru, Liberia from August 2012 to August 2014 and her personal background in appropriate sanitation and environmental engineering.

In January 2014, the author facilitated a "Health, Sanitation, and Environmental Engineering Workshop" for thirty-five health club students. During this workshop, students were taught the importance of sanitation, the existing VIP latrines were cleaned, and a new urinal was constructed. Also during this training, a detailed operation and maintenance plan for the school latrines and hand washing facilities was drafted by students and administrators. However, the plan was not implemented because, at the time, the campus was not enclosed in a fence and there was concern that local community members would continue using and dirtying the facilities. The students and administrators agreed that once a fence and gate were installed to protect the campus and latrines, the operation and maintenance plan would go into effect. The author does not know if the operation and maintenance plan will be implemented and because of her unexpected departure from Liberia (due to the Ebola outbreak), she was not able to follow up

and encourage the adoption of the plan. The author was also unable to conduct classroom sanitation trainings for all grade levels or complete a second set of user preference surveys.

The author was able to perform observations of the communal school VIP latrines and complete one set of user preference surveys. Observations were carried out several times by the author during the 2013-2014 academic year and in May and June 2014, the author administered user surveys to 709 participants from Tubman Wilson Institute (TWI) Junior and Senior High School and J.C. Barlee Elementary School. This observation and survey data was used to fulfill the objectives of this research.

To complete the first thesis objective, the author conducted a detailed literature review and then compared accepted guidelines for VIP latrines to the sanitation facilities located on the TWI campus. The literature review investigated proper design of ventilated improved pit (VIP) latrines, school sanitation guidelines, and recommendations for sanitation in Liberia. A summary of the major design guidelines for VIP latrines is provided in Table 2 while recommendations for school latrines are included in Table 3. Liberia's Ministry of Public Works institutional latrine design criteria is summarized in Table 4. These design guidelines were then used to evaluate the TWI and J.C. Barlee school latrines in Zwedru.

The research focus latrines were two blocks of six stall multicompartment alternating twin-pit VIP latrines. The author conducted observations of the communal school latrines in order to compare the design and construction of these specific latrines to accepted criteria and recommendations from literature. Due to the author's unexpected departure from Liberia, she was not able to complete all field measurements, so comparisons were made based on recorded observations, photographs, and satellite images. It was found that the latrine vent pipes, cover slabs, drop holes, and pit design all appear to be designed and constructed per national Liberian

and international recommendations. However, the TWI school latrines do not comply with standards for several other latrine design criteria. The latrine superstructures are built with privacy walls located in front of the boys' and girls' stalls and the entranceway doors do not have air gaps. These two features may impair critical odor-controlling air flow from the superstructure through the pit and out the vent pipe. The siting of the school latrines is also inconsistent with guidelines as the latrines are located too close to the classroom building and to the school's water pump. Finally, the ratio of people to latrines on the shared TWI/J.C. Barlee campus is higher than the recommendation of 20-40 students per latrine, or when necessary 60 students per latrine. Ratios of people to latrines at the study site, considering various school populations, are provided in Tables 7 and 8.

The second research objective was to investigate user perceptions of the communal latrines and identify factors that motivate latrine adoption on the Liberian school campus. The design deficiencies identified in the evaluation of thesis objective one were found to impact the user preferences regarding the school latrines. This is apparent from user comments in the surveys that were conducted with 709 participants (students from grades four to twelve, administrators, faculty, and staff) at the study site. User perceptions of the cleanliness, safety, and comfort of the school facilities were varied. For example, 51% of total respondents (n = 709) expressed that the school latrines were dirty or very dirty, while 48% claimed the latrines were clean or very clean. When asked about the safety of the communal latrines, 52% of survey participants said the sanitation facilities were not safe or very unsafe; 47% asserted that the latrines were safe or very safe. Survey participants also had mixed responses about the comfort of the communal sanitation technology: 51% of the 709 survey participants stated that the latrines were not comfortable or very uncomfortable, while 46% declared the facilities were

comfortable or very comfortable. The open-ended survey questions allowed respondents to comment on positive and negative aspects of the communal school VIP latrines. Again answers included various responses, but several key themes arose. As summarized in Table 9, these themes included smell and odor, latrine construction components, presence of feces in and around the latrines, the use of the facilities by outside community members, and health impacts of latrine use.

The final thesis objective was to develop a framework of the factors that impact adoption of communal school latrines. The author originally assumed that user preferences and latrine adoption were directly correlated, but survey results suggest that the two factors may be independently influenced. This is based on the usage rates, 77% total survey participants stating that they use the latrines and 88% of these affirmative respondents explaining that they use the latrines daily, multiple times a week, or weekly. Although these adoption rates are quite high, satisfaction rates for latrine cleanliness, safety, and comfort are merely 50%, as previously described. VIP latrine design factors, like odor control and door construction, and communal sanitation facility characteristics, such as operation and maintenance, may prompt latrine adoption. Individual user traits, such as age, gender, and type and availability of household sanitation technology appear to have a lesser impact on latrine adoption. However, the grade level of the student respondents may have played a role in their responses because of the methods in which the survey was administered and the common practice of cheating. Additional research should be conducted to further understand the factors that impact the adoption of communal sanitation facilities on school campuses. This study accomplished its three main research objectives, yet further research and practical applications must be applied to improve school sanitation in Liberia and worldwide.

#### **5.2 Recommendations for Future Research**

As found in the literature review, limited research has been conducted regarding communal school sanitation facilities. The majority of field research focuses on preferences for household sanitation facilities. As the Sustainable Development Goals expand upon the Millennium Development Goals to encompass not only improved household sanitation targets, but also school sanitation targets, research must be conducted to understand how to effectively implement holistic school sanitation programs. It is recommended that future research investigate both user preferences for communal school sanitation facilities and adoption rates for such facilities. As discovered through this research, the assumption that user preferences directly influence school latrine adoption may be erroneous so it is also important for research to further explore the relationship between these factors.

Research examining features influencing ownership, operation, and maintenance of communal school facilities would also be useful. The author observed during the sanitation workshop that health club students and administrators understood the importance of implementing an operation and maintenance plan, but this understanding was not enough to motivate them to truly implement and enforce the plan. If future studies were conducted to understand why and how individuals are motivated to maintain shared school facilities, then future school sanitation interventions could be significantly improved.

Because of the limitations of this research, the author has several additional recommendations to strengthen future studies. It is recommended that subsequent research continue to examine user perceptions of sanitation in terms of cleanliness, safety, and comfort, but convenience should also be assessed more directly. The author believes that her personal association with the study site and survey participants may have resulted in biased responses. To

avoid this prejudice, it is suggested that future studies be conducted by neutral parties that are not affiliated with the study sites.

When the study was conducted in 2014 in Liberia, sanitation and personal hygiene were generally secondary notions that were not in the forefront of people's minds. However, due to the recent public health crisis caused by the Ebola outbreak in Liberia and West Africa, hand washing, sanitation, and other personal hygiene habits have become essential functions of everyday life and a matter of life or death. Research investigating the impact of this rapid behavior change on user perceptions of communal sanitation facilities and usage of school facilities would be insightful. The impact of the Ebola virus disease on Liberian culture will likely be long lasting so upcoming school sanitation programs must understand and incorporate these new perceptions into improved sanitation solutions.

# 5.3 Recommendations for Study Site

Based on this study, the author discovered that the TWI school latrines have some features that do not match VIP latrine design guidelines. First, it is recommended that air gaps be added to the tops of the latrine stall entranceway doors. The addition of these air gaps will facilitate ventilation of the VIP latrines and hopefully improve the odor that was identified by survey respondents as a negative attribute of the school sanitation. Furthermore, the stall latches on the inside of the doors and the locks on the outside of the doors should be replaced. These improvements will assist with the operation and maintenance of the latrines, which leads to the author's final recommendation specific to the study site. She recommends that the TWI school administration implement and enforce the school sanitation operation and maintenance plan that was written in January 2014.

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# **APPENDICES**

# Appendix A. Tubman Wilson Institute (TWI) Health, Sanitation, and Environmental

# **Engineering Workshop Schedule and Information and Notes**

# Tubman Wilson Institute (TWI) Health, Sanitation, and Environmental Engineering Workshop

# January 2014 Hosted by TWI Student Health Club and TWI Peace Corps Volunteer Funded by Peace Corps Small Projects Assistance Grant

#### Schedule

```
Monday, January 27, 2014
        9:00 am - 9:30 am: Registration
        9:30 am - 10:00 am: Welcome and Introduction: Sarah Ness, Joe Farley
               Remarks: Principal Brown K. Bardee
        10:00 am - 11:00 am: Introduction to Health and Sanitation: Isaac Fredricks
        11:00 am - 11:45 am: Introduction to Environmental Engineering: Sarah Ness
        11:45 am - 12:45 pm: Lunch
       12:45 pm – 1:30 pm: F-diagram: Anita Tokpah
1:30 pm – 2:15 pm: Hand Washing: Ben Roberts
        2:15 pm - 3:15 pm: Latrines: Sarah Ness
        3:15 pm - 4:30 pm: Preparation for Classroom Presentations for J.C. Barlee Elementary
               Tubman Wilson Institute: All Workshop Participants
Tuesday, January 28, 2014
       9:00 am - 12:00 pm: Development of Operation and Maintenance Plan for School Sanitation
               Facilities
        12:00 pm - 1:00 pm: Lunch
        1:00 pm - 3:00 pm: Cleaning Preparation
Wednesday, January 29, 2014
        8:00 am - 12:00 pm: Latrine Cleaning and Urinal Construction: All Workshop Participants
        12:00 pm - 1:00 pm: Lunch
Thursday, January 30, 2014
        9:00 am - 12:00 pm: Urinal Construction
```

# Tubman Wilson Institute (TWI) Health, Sanitation, and Environmental Engineering Workshop

#### Information and Notes

#### Health and Sanitation

Health can be defined as the complete physical, mental, and social well-being of a person. It generally includes the absence of disease and illness.

Sanitation is the process of promoting health by keeping places clean from infection and disease by removing waste, dirt, and feces. We generally think of sanitation facilities as technologies that safely dispose human urine and feces.

Improved sanitation technologies provide a separation, or barrier, between humans and human feces. The following are improved sanitation facilities:

- Connection to public sewer
- 2. Connection to septic system
- Pour-flush latrines
   Ventilated improved pit (VIP) latrines
- 5. Composting latrines
- 6. Traditional pit latrines

Pit latrines with a slab and pit latrines without a slab are the most common types of improved sanitation in Liberia. However, the latrines located on the Tubman Wilson Institute and J.C. Barlee campus are ventilated improved pit (VIP) latrines. More details on pit latrines and VIP latrines are provided later in this workshop packet.

#### Sanitation in Liberia

Indicator	Rural	Urban	Remarks
Percent of population with access to improved sanitation facilities	12%	40%	These are facilities that ensure separation of human waste from human contact.
Percent of people that practice open defecation	69%	22%	Open defecation refers to practices that do not separate person from the waste. It includes pooping openly on the ground, in water, and in plastic bag.
Percent of population observed to wash hands with soap after latrine use	4%	8%	

#### **Environmental Engineering**

Environmental engineers use engineering, public health, math, science, physics, chemistry, biology, and economics to protect human health and the environment. Today, environmental engineers study issues like waste management, drinking water quality, and wastewater treatment.

In Liberia, environmental engineers can work for NGOs and the Liberian Government (Ministry of Public Works). Environmental engineers will play a key role in the development of the country.

#### Hand Washing

Why should I wash my hands?

Hand washing with soap is very important for keeping people healthy and preventing illness. Washing your hands correctly can decrease sickness and diarrhea (runny stomach).

Who should wash their hands?

Everyone should wash their hands: adults, old people, young people, children, and babies. If children and babies are not able to wash their hands alone, adults or older children should help them.

When should I wash my hands?

- Before eating
- Before cooking
- Before breastfeeding

- · After using the latrine
- After cleaning a baby's diaper
- After working

What should I use to wash my hands?

You should always wash your hands with water and soap.

How should I wash my hands?

- 1. Wet your hands with water.
- Rub soap on your hands.
- Rub your hands together for 15 seconds. Be sure to clean between fingers and under your nails.
- Rinse your hands with water.
- 5. Let the air dry your hands or wipe them on a clean towel.

#### **Urinal Facility**

Urinals are sanitation facilities that can be used to collect and dispose of urine (pee pee) and provide privacy and protection to the user while urinating. Urinals are easy and inexpensive to build and are also easy to operate and maintain. Operation includes cleaning the floor and urine channel with small water and soap every day. For maintenance, the floor and urine channel must be checked for cracks and repaired and the delivery pipe must be checked to make sure it is not blocked.

Urine is normally sterile, which means that it contains no harmful bacteria. When urine is diluted with water (about 1 cup urine to 4 cups water), the mixture can be used to fertilize plants, farms, and gardens.

To provide additional privacy and sanitation on campus, we will be constructing a urinal facility separated for girls and boys. The system will include a soak pit system that will allow the urine to soak into the ground.

#### Latrines

A latrine is a safe and private place used for defecation. It is a sanitation facility that is used to separate, or provide a barrier, between humans and human feces. Human feces have harmful pathogens that can cause illness in humans so it must be properly contained in order to keep people healthy.

#### Traditional Pit Latrines

Hole dug into the ground and covered by a slab with a hole and privacy shelter

#### Advantages:

- Simplest and least expensive to build
- No water required for operation
- Do not require emptying; little maintenance required

#### Disadvantages:

- Bad odors and flies
- Danger of children falling into holes

#### Ventilated Improved Pit (VIP) Latrines

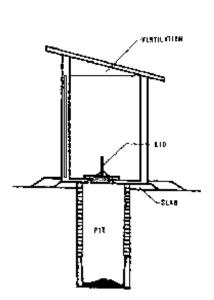
Hole dug into the ground and covered by a slab with a hole and privacy shelter; also includes a vent pipe (with screen) from the pit to the outside air

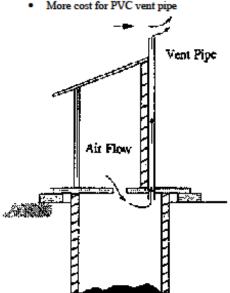
#### Advantages:

- · Less odors and flies due the vent pipe and
- No water required for operation
- Do not require emptying; little maintenance required

#### Disadvantages:

- Dark inside the structure
- More cost for PVC vent pipe





#### Operation and Maintenance of Sanitation Facilities

Responsibilities for operation and maintenance should be clearly defined. A cleaning routine should be followed to ensure clean, safe, and functioning sanitation facilities at all times. Latrines and urinals should be cleaned once a day with water and a disinfectant.

#### Questions to Consider

- 1. Are the sanitation facilities being used properly?
- 2. Who is responsible for cleaning the sanitation facilities?
- What costs are involved in the operation and maintenance of the school's sanitation facilities?
- 4. Who should fill the hand washing stations with water?
- 5. Is there tissue and soap available?6. Who is responsible for repairing facilities?
- 7. Who is responsible for buying cleaning materials?
- 8. Are the inside locks on the doors working?
- 9. Are the outside locks on the doors working? When should the doors be locked? Who should keep the keys?

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<sup>5</sup> Health, Sanitation, and Environmental Engineering Workshop

### Appendix B. Tubman Wilson Institute (TWI) Sanitation Facilities Operation and

#### Maintenance (O&M) Plan

# Tubman Wilson Institute (TWI) Sanitation Facilities Operation and Maintenance (O&M) Plan

#### Introduction

The following proposal was developed with the intention of clearly defining roles and responsibilities for operation and maintenance (O&M) of the sanitation facilities on the campus shared between Zwedru Kindergarten, J.C. Barlee Elementary, and Tubman Wilson Institute (TWI) in Zwedru, Grand Gedeh County, Republic of Liberia.

During TWI's Health, Sanitation, and Environmental Engineering Workshop in January 2014, there was a discussion regarding O&M for the campus sanitation facilities and from that discussion, this proposal was developed. During the Workshop, topics, such as health and sanitation, hand washing, f-diagram, and latrine maintenance, were presented. After the informational lectures, all students participated in a discussion on future O&M for the sanitation facilities and assisted in cleaning the existing latrines on campus. Participants included approximately 30 students from J.C. Barlee Elementary and Tubman Wilson Institute schools, administration and staff from Zwedru Kindergarten, J.C. Barlee Elementary, and Tubman Wilson Institute. The Workshop was sponsored by Peace Corps and facilitated by Isaac Q. Fredricks, Ben Roberts, and Sarah Ness.

#### Questions to Consider

The following questions were presented to the students attending the Workshop and discussed by all participants in order to develop a Sanitation Facilities Operation and Maintenance (O&M) Plan.

- 1. Are the sanitation facilities being used properly?
- 2. Who is responsible for cleaning the sanitation facilities?
- 3. What costs are involved in the operation and maintenance of the school's sanitation facilities?
- 4. Who should fill the hand washing stations with water?
- 5. Is there tissue and soap available?
- 6. Who is responsible for repairing facilities?
- 7. Who is responsible for buying cleaning materials?
- 8. Are the inside locks on the doors working?
- 9. Are the outside locks on the doors working? When should the doors be locked? Who should keep the keys?

#### Sanitation Facilities on Campus

The sanitation facilities on the school campus, which is shared by the three schools, include the following:

- 3 Latrine Blocks, each with 2 stalls for girls, 2 stalls for boys, and 2 stalls for teachers
- 6 Hand washing stations
- 1 Urinal Block with 1 stall for boys and 1 stall for girls

Each school is the owner of, and thus responsible for, one latrine block. The latrine block and two hand washing stations closest to the Zwedru Kindergarten classrooms and offices (far right latrine block) are for Zwedru Kindergarten. The urinal facility, middle latrine block, and hand washing station directly behind the kitchen are for TWI. The final latrine block and two hand washing stations (on the far left) are for J.C. Barlee Elementary. The final hand washing station, located in front of the kitchen area, will be shared among all the schools and available for anyone using the kitchen facility.

#### Responsibilities for O&M Activities

O&M activities are entirely managed by the schools for their respective sanitation facilities. Responsibilities for O&M should be clearly defined and a cleaning routine should be followed to ensure clean, safe, and functioning sanitation facilities.

Sanitation Facilities O&M Plan

March 2014

# Tubman Wilson Institute (TWI) Sanitation Facilities Operation and Maintenance (O&M) Plan

#### Tubman Wilson Institute O&M Plan

The latrine and urinal stalls should be cleaned daily with water and disinfectant and should be locked at all times. Access keys for the facilities will be available for TWI students and faculty in the Vice Principal for Instruction's office during regular school hours. The hand washing stations should be filled with water daily.

Health club students will take the lead role in daily cleaning and maintenance of TWI's sanitation facilities. Responsibilities of the health club students will include the following:

- Daily cleaning or latrine stall and urinal with water and disinfectant. This cleaning should occur
  before the start of classes/during devotion so that the facilities are clean and safe for use during
  the school time.
- Coordinating daily with campus police to have later-comer students fill the hand washing station
  with water
- Ensuring that the latrine and urinal stalls are always locked and checking that the outside locks
  and inside latches are functioning. If broken or spoiled, health club officials should contact the
  school administration for immediate repairs.
- Educating students on proper health and sanitation behaviors and providing health and sanitation announcements during devotion. This should be done in coordination with the school administration.
- Providing funds, from Health Club dues, for the daily O&M costs, such as toilet tissue and hand soap. Financial responsibilities for cleaning materials, like disinfectant, yard brooms, and buckets, will be shared by the health club and the school administration.

TWI administration responsibilities will include the following:

- Supporting health club students in achieving their duties.
- Providing health and sanitation messages and announcements to the students and faculty in collaboration with the health club students.
- Holding materials, including latrine keys, tissue, and hand soap, in the office of the Vice Principal for Instruction (VPI).
- Providing funds for sanitation facility repairs, including new locks and latches when needed.
   Financial responsibilities for cleaning materials, like disinfectant, yard brooms, and buckets, will be shared by the health club and the school administration.

Responsibilities of individuals from the entire school population, including students, administration, faculty, and staff, include:

- Returning the facility key and hand soap to the VPI's office after use.
- Using the facilities properly to minimize cleaning and maintenance efforts.
- Following good health and sanitation behaviors and listening to announcements and educational
  information provided by the health club students and school administration.

Sanitation Facilities O&M Plan

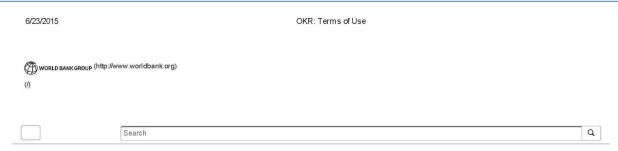
March 2014

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# Appendix D. Study Approvals from IRB



RESEARCH INTEGRITY AND COMPLIANCE Institutional Review Boards, FWA No. 00001669 12901 Brace B. Downs Bled., MDC053 = Tamps, PL 33612-4799 (813)974-5638 • FAX(813)974-7091

January 21, 2014

Sarah Ness Civil and Environmental Engineering Tampa, FL 33612

RE: Expedited Approval for Initial Review

IRB#: Pro00015901

Title: Investigation of Design and User Preferences for Communal School Ventilated Improved Pit (VIP) Latrines in Zwedru, Liberia

Study Approval Period: 1/18/2014 to 1/18/2015

Dear Ms. Ness:

On 1/18/2014, the Institutional Review Board (IRB) reviewed and APPROVED the above application and all documents outlined below.

# Approved Item(s):

# Protocol Document(s):

Ness VIP Latrine Study Protocol v1 01.07.14.docx

Study involves children and falls under 45 CFR 46.404: Research not involving more than minimal risk.

# Consent/Assent Document(s)\*:

Ness VIP Latrine Study Child Written Assent v1 01.13.14.docx.pdf
Ness VIP Latrine Study Adult Consent v1 01.13.14.docx.pdf
Ness VIP Latrine Study Parental Consent v1 01.15.14.docx.pdf
Child Verbal Assent (not stamped)

\*Please use only the official IRB stamped informed consent/assent document(s) found under the "Attachments" tab. Please note, these consent/assent document(s) are only valid during the approval period indicated at the top of the form(s).

It was the determination of the IRB that your study qualified for expedited review which includes activities that (1) present no more than minimal risk to human subjects, and (2) involve only procedures listed in one or more of the categories outlined below. The IRB may review

research through the expedited review procedure authorized by 45CFR46.110 and 21 CFR 56.110. The research proposed in this study is categorized under the following expedited review category:

(7) Research on individual or group characteristics or behavior (including, but not limited to, research on perception, cognition, motivation, identity, language, communication, cultural beliefs or practices, and social behavior) or research employing survey, interview, oral history, focus group, program evaluation, human factors evaluation, or quality assurance methodologies.

As the principal investigator of this study, it is your responsibility to conduct this study in accordance with IRB policies and procedures and as approved by the IRB. Any changes to the approved research must be submitted to the IRB for review and approval by an amendment.

We appreciate your dedication to the ethical conduct of human subject research at the University of South Florida and your continued commitment to human research protections. If you have any questions regarding this matter, please call 813-974-5638.

Sincerely,

John Schinka, Ph.D., Chairperson USF Institutional Review Board



RESEARCH INTEGRITY AND COMPLIANCE Institutional Review Boards, FWA No. 00001669 17901 Brace B. Downs Bled., MDC033 = Tamps, JL 33612-4799 81319/45638 • FAX(813)9747/091

February 24, 2014

Sarah Ness Civil and Environmental Engineering Tampa, FL 33612

RE: Expedited Approval for Amendment

IRB#: Ame1 Pro00015901

Title: Investigation of Design and User Preferences for Communal School Ventilated Improved

Pit (VIP) Latrines in Zwedru, Liberia

Dear Ms. Ness:

On 2/24/2014, the Institutional Review Board (IRB) reviewed and APPROVED your Amendment. The submitted request has been approved for the following:

Changes to Consent: Given the difficulties in recruitment and consent because of cultural barriers, a waiver of informed consent process (45 CFR 46.116 (d)) for the Parental Permission is approved. The alternative of having the principal of the school sign consent form for students in lieu of parents is an acceptable method of providing protection for the children in this study. This study involving child participants falls under the minimal risk category 45 CFR 46.404: Research not involving greater than minimal risk.

# Consent Document(s)\*:

Ness VIP Latrine Study Principal Consent v1 02.13.14.docx.pdf

\*Please use only the official IRB stamped informed consent/assent document(s) found under the "Attachments" tab on the main study's workspace. Please note, these consent/assent document(s) are only valid during the approval period indicated at the top of the form(s) and replace previously approved versions.

We appreciate your dedication to the ethical conduct of human subject research at the University of South Florida and your continued commitment to human research protections. If you have any questions regarding this matter, please call 813-974-5638.

Cimanala	
Sincerely,	
John Schinka, Ph.D., Chairperson USF Institutional Review Board	
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# UNIVERSITY OF LIBERIA CAPITOL HELL MONROVIA, LIBERIA WEST AFRICA



# Office of the Institution Review Board

April 7, 2014

Sarah Ness Principal Investigator Peace Corps Volunteer and University of South Florida Webbo Quarter Zwedru, Grand Godeh County Liberia

Re: Investigation of Design and Over Preferences for Communal School Ventilated Improved Pir (VIP) Latrines in Zwedou, Liberia

Dear Ms. Ness.

In accordance with 45 CFR 46, the numan subjects protocol of the above mentioned research pilot study has been approved by the University of Liberia -Pacific Institute for Research & Evaluation Institutional Review (Board (UL-PIRE IRB) through an expedited review on April 4, 2014. This IRB will review the protocol during the implementation of the study to confirm human subject procedures. This approval expires on October 3, 2014.

Should there be other additional changes in protocols or incidents involving human subjects during the conduct of this research, you are required to report them right away to the IRB. Changes in research during the period for which IRB approval has already been granted may not be implemented without prior IRB review and approval; except where necessary to protect subjects. Additional proposed changes to approve human subject protocol must be reported promptly to the IRB for review using a continuation review formal.

The IRB will require you to submit a progress report during the implementation of this study. For your record, our Federal-wide Assurance number is FWA 00004853, and our organization number is IOR0004203.

Kind regards.

Sincerely yours

Ms. Cetyla A. Morris, MSV ( Chairperson, J. PIRE-IRB)

# Appendix E. Informed Consent and Assent Forms Approved by IRB

Version 1

Version Date: 1/13/14

Ness VIP Latrines Study Informed Consent vl 01.13.14

Sarah Ness Peace Corps Volunteer, Liberia, West Africa Department of Civil and Environmental Engineering University of South Florida IRB Study # Pro 15901

# University of South Florida (USF) International Review Board (IRB) Informed Consent to Participate in Research

Investigation of Design and User Preferences for Communal School Ventilated Improved Pit (VIP) Latrines in Zwedru, Liberia

# Why am I being asked to take part in this research?

You are being asked to take part in a research study about the school latrines. You are being asked to take part in this research study because you attend, or work at, J.C. Barlee Elementary or Tubman Wilson Institute (TWI) in Zwedru, Grand Gedeh County. If you take part in this study, you will be one of about 1,000 people at this site.

#### Who is doing this study?

The person in charge of this study is Sarah Ness, the TWI Peace Corps Volunteer.

## What is the purpose of this study?

By doing this study, we hope to learn when the school latrines are used and what people like about the latrine designs.

# Where is the study going to take place and how long will it last?

The study will be take place at your school. The surveys will be given on campus during the second semester. There will be three months between the first survey and the second survey.

## What will you be asked to do?

You will be asked to participate by taking two surveys that will ask questions about the school latrines. Between the surveys, you will participate in a sanitation and health lesson that will be given during your normal school classes.

# What things might happen if you participate?

To the best of our knowledge, your participation in this study will not harm you.

# Is there benefit to me for participating?

We cannot promise that you will receive benefit from taking part in this research study. However, by taking part in this study you might learn more about the school latrines and how to help keep them clean and improve your health.

# What other choices do I have if I do not participate?

You have the alternative to choose not to participate in this research study. Your grades will not be affected in any way if you do not participate.

Version 1

Version Date: 1/13/14

Ness\_VIP Latrines Study Informed Consent\_v1\_01.13.14

# Do I have to take part in this study?

You should talk with your parents or guardian and others about taking part in this research study. If you do not want to take part in the study, that is your decision. You should take part in this study because you want to volunteer.

# Will I receive anything for taking part in this study?

You will not receive anything for taking part in this study.

## Who will see the information about me?

Your information will be added to the information from other people taking part in the study so no one will know who you are. Also, the surveys will not ask for your name so the information you provide will not be directly connected to you.

## Can I change my mind and quit?

If you decide to take part in the study, you can stop participating at any time. No one will think badly of you if you decide to stop.

## What if I have questions?

You can talk with the Peace Corps Volunteer, Sarah Ness, at any time if you have questions about the study. You can also talk to your parents, teachers, or school administration if you have questions.

Version 1	
Version Date: 1/13/14	
Ness_VIP Latrines Study Informed Consent_v1_01.13.14	
Consent to Parti	cipate
I understand what the person conducting this study is askin	g me to do. I have thought about this and
agree to take part in this study. If you want to take part, pl are true. I freely give my consent to take part in this stu	
agreeing to take part in research. I am 18 years or older.	, , , , , , , , , , , , , , , , , , , ,
Name of person agreeing to take part in the study	Date
Signature of person agreeing to take part in the study	
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that when this person signs this form, to the best of my kno	2.7
<ul> <li>What the study is about.</li> <li>What procedures/interventions will be</li> </ul>	<ul> <li>What the potential benefits might be.</li> <li>What the known risks might be.</li> </ul>
used.	5
Signature of Person Obtaining Informed Consent	Date
Printed Name of Person Obtaining Informed Consent	
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Version 1 Version Date: 1/13/14 Ness_VIP Latrines Study Assent_v1_01.13.14	
Assent to Participa I understand what the person conducting this study is asking a to take part in this study. If you want to take part, please sign I freely give my assent to take part in this study. I understake part in research. I am 12 to 17 years of age.	ne to do. I have thought about this and agree the form, if the following statements are tru
Name of person agreeing to take part in the study	Date
Signature of person agreeing to take part in the study	
Name of person providing information (assent) to subject	Date
-	What the potential benefits might be.     What the known risks might be.  Date
Printed Name of Person Obtaining Assent	_

Version 1

Version Date: 1/13/14

Ness\_VIP Latrines Study Assent Script\_v1\_01.13.14

Sarah Ness

Peace Corps Volunteer, Liberia, West Africa Department of Civil and Environmental Engineering University of South Florida IRB Study # Pro 15901

# University of South Florida (USF) International Review Board (IRB) Assent to Participate in Research

Investigation of Design and User Preferences for Communal School Ventilated Improved Pit (VIP) Latrines in Zwedru, Liberia

Liberian Classroom Teacher will provide the following information to all the students.

## Why am I being asked to take part in this research?

You are being asked to take part in a research study about the school latrines. You are being asked to take part in this research study because you attend J.C. Barlee Elementary of Tubman Wilson Institute (TWI) in Zwedru, Grand Gedeh County. If you take part in this study, you will be one of about 1,000 people at this site.

### Who is doing this study?

The person in charge of this study is Sarah Ness, the TWI Peace Corps Volunteer.

# What is the purpose of this study?

By doing this study, we hope to learn when the school latrines are used and what people like about the latrine designs.

# Where is the study going to take place and how long will it last?

The study will be take place at your school. The surveys will be given on campus during the second semester. There will be three months between the first survey and the second survey.

# What will you be asked to do?

You will be asked to participate by taking two surveys that will ask questions about the school latrines. Between the surveys, you will participate in a sanitation and health lesson that will be given during your normal school classes.

## What things might happen if you participate?

To the best of our knowledge, your participation in this study will not harm you.

# Is there benefit to me for participating?

We cannot promise that you will receive benefit from taking part in this research study. However, by taking part in this study you might learn more about the school latrines and how to help keep them clean and improve your health.

Version 1

Version Date: 1/13/14

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## What other choices do I have if I do not participate?

You have the alternative to choose not to participate in this research study. Your grades will not be affected in any way if you do not participate.

## Do I have to take part in this study?

You should talk with your parents or guardian and others about taking part in this research study. If you do not want to take part in the study, that is your decision. You should take part in this study because you want to volunteer.

## Will I receive anything for taking part in this study?

You will not receive anything for taking part in this study.

#### Who will see the information about me?

Your information will be added to the information from other people taking part in the study so no one will know who you are. Also, the surveys will not ask for your name so the information you provide will not be directly connected to you.

# Can I change my mind and quit?

If you decide to take part in the study, you can stop participating at any time. No one will think badly of you if you decide to stop.

# What if I have questions?

You can talk with the Peace Corps Volunteer, Sarah Ness, at any time if you have questions about the study. You can also talk to your parents, teachers, or school administration if you have questions.

## Verbal Assent Process

- Teacher: Do you want to participate in the study? Student Response
- Teacher: Do you agree to take part in the study? Student Response

If the student says "yes" to both questions, this will be taken as their verbal assent to participate.

If the student says "no" to either question, the student will not be included in the study.

# **Appendix F. Staff and Student Survey Questions**

Invest	tigation of Design and User Preferences for Communal School Ventilated Improved Pit (VIP) I	atrines in
	ru, Liberia rey for Administration, Faculty, and Staff	
	tions: Please complete the following questions. If options are provided, please circle your answer	wer.
1.	. What is your gender? Male Female	
2.	. What is your age? 20-30 years 31-40 years 41-50 years 51-60 years 61 years or above	
3.	. What is your position at the School? Administration Teacher Staff	
4.	. Do you use the school latrines? Yes No	
5.	. If yes, how often do you use the latrines?  Every day 2-3 times a week 1 time a week 2-3 times a month 1 time a month Less than once a month	
6.	. How clean are the school latrines?  Very Clean Clean Dirty Very Dirty	
7.	. How safe are the school latrines?  Very Safe Safe Not Safe Very Unsafe	
8.	. How comfortable are the school latrines?  Very Comfortable Comfortable Not Comfortable Very Uncomfortab	le
9.	. Please explain what is beneficial or good about the school latrines?	
10	Please describe what is negative or bad about the school latrines?	
11	Where do you go to the bathroom at your house? (Private means that just your household use shared means that people from more than one household use the facility)     Outside (Bush) Private pit latrine Private VIP latrine	es the facil
	Private pour-flush commode Shared pit latrine	
	Shared VIP latrine Shared pour-flush commode	
	Other:	
12	2. Any additional comments regarding the school VIP latrines.	

	<u>y for Students</u> ons: Please complete t	he following que	stions. If option	ns are provided, p	lease circle your answer.
1.	What is your gender? Male		Female		
2.	What is your age? 7-11 years	12-17 years	18-20 years	21-25 years	26-30 years
	31 ye	ars and above			
3.	What class (grade) are	you in?			
4.	Do you use the school Yes	latrines?	No		
5.	If yes, how often do y Every day	ou use the latrine 2-3 times a we		ie a week	2-3 times a month
	l time a mont	h Less than once	e a month		
6.	How clean are the sch Very Clean		Dirty	Very Dirty	
7.	How safe are the scho Very Safe	ol latrines? Safe	Not Safe	Very Unsafe	
8.	How comfortable are Very Comfort			Comfortable	Very Uncomfortable
9.	Please explain what is	beneficial or go	od about the scl	hool latrines?	
10	. Please describe what i	s negative or bac	d about the scho	ool latrines?	
11	. Where do you go to the facility, shared means Outside (Busl	that people from		household use th	st your household uses the e facility) e VIP latrine
	Private pour-	lush commode	Shar	ed pit latrine	
	Shared VIP la	trine	Shar	ed pour-flush con	nmode
	Other:		_		

# Appendix G. Survey Data

Question	N 1	2	3	4 5		6	7	8 9	) 10	11	1 12
		W	hat ass Do you	If yes, how							
Survey No.		What (g is your ar age? in	rade) use the re you school	often do you use the		How safe are the school latrines?	How comfortable are the school latrines?	Please explain what is beneficial or good about the school latrines.		bathroom at your	Any additional comments regarding the school VIP latrines. Other: At house
i	1 Female	21-25 years	12 Yes	Every day	Very Clean	Very Safe	Comfortable	The school latrines are very beneficial to me.	Notbad	Shared pit latrine	
	2 Female	21-25 years	12 Yes	1 time a week	: Very Clean	Very Safe	Very Comfortable	The good about the school latrines is always clean both inside.	Nothing bad about the latrines	Private pit latrine	
	3 Female	21-25 years	12 Yes	2-3 times a week	Gean	Safe	Very Comfortable	My school latrines is very good because I not do uncomfortable use.	past I was not use to comfortable.	Shared pit latrine	
1	4 Male	18-20 years	12 Yes	Every day	Dirty	Very Unsafe	Not Comfortable	is very bad because no care taking about the latrines so the latrines is not in good condition.	The school latrines is so bad of because no control, so the JC Barlee students are spoiling our latrines so bad all the school latrines need read builling so that is can be good.	Shared VIP latrine	
ē	5 Male	21-25 years	12 Yes	1 time a week	: Very Dirty	Not Safe	Not Comfortable	The beneficial aspect of the above mention school latines is It helps the students of that Identical Institution to put out waste product from body.	the maintainence aspect or care so as to avoid diseases	Other	We the students of Tubman Wilson institute please cordially to appredate your effort by erattlig a latinife or our school. Secondly, we are please to say to you as a way forward that resolution solution should be designed so as to monitarin the beautful building or latrines that you have erected for us. Community latrine
6	6 Female	21-25 years	12 Yes	1 time a week	: Gean	Safe	Comfortable	The latrines is beneficial because some of us are not living near the school campus, or sometime! have running stomach and I will like to come to school, because! know that latrines is on campus.	clean their anut on the well, or some toilet around the latrines building. That is very	Shared pit latrine	The latrines need to be closed throughout day and night and they need to obtain security keep watch for the latrine so they will know who is tolleting on the flow.
	7 Female	21-25	12 Yes	2-3 times a	Very Clean	Very Safe	Very Comfortable	My school latrines is very good because I do not feel uncomfortable on campus.	The negative or bad	Shared pit latrine	My school latrine is very dean that why my school is park (packed) with student and other wish to attent the school.
	8 Female	21-25	12 Yes	1 time a week		Very Safe	Very Comfortable	The latrines is good because even weekend the latrines can be wash. It also help us not to go	Nothing bad about the		
	9 Female	26-30 years	12 No	2-3 times a week	Clean	Not Safe	Comfortable	The school pump are beneficial in our school because we use it.	children can be poupou all around the latrines and also the negative.	Shared pit latrine	
1	0 Female	21-25 years	12 Yes	Every day	Very Clean	Very Safe	Very Comfortable	the latrines every day.	The bad thing about the school latrines because the latrines are not clean.	Private pit latrine	
1	1 Male	26-30 years	12 Yes	2-3 times a month	Clean	Not Safe	Comfortable	The latrines help the students not to go out of the school campus for defication. Materials are provided	One negative part is that the community members are using the latrines.	Shared VIP latrine	
1	2 Male	21-25 years	12 Yes	Every day	Very Clean	Very Safe	Very Comfortable	after using the latrines such are soap and water to use. Materials are provided		Private pit latrine	
1	3 Female	26-30 years	12 Yes	Every day	Very Clean	Very Safe	Very Comfortable	after using the latrines	The school latrines is very good.	Private pit latrine	

							The good thing that we			
	26-30						are beneficied with is hand wash station, soap,	The school latrines is		
14 Female		12 Yes	Every day	Very Clean	Very Safe	Very Comfortable	good latrines, and so on.	very good.	Private pit latrine	
								It is noting negative about the school		
	21-25		2-3 times a					latrines because it is		
15 Female	years	12 Yes	week	Very Clean	Very Safe	Very Comfortable	need of it.	dean.	Private pit latrine	
							The latrines is very good			
							because it help us when			
							we are in school and doing weekend we also			
							use it for does of us who			
	18-20	42.1/-	2-3 times a	V C	VI	V - C - F - L - L		Nothing bad about the school latrines.	Private pour-flush commode	
16 Female	years	12 Yes	week	Very Clean	Very Safe	Very Comfortable		The school latrines is	commode	
								look blue and white		
	18-20 years	12 Yes	Less than once a month	Clean	Very Unsafe	Very Uncomfortable	the school to put things in place.	because the bule and the white.	Outside (Bush)	
							He or she is good in		The state of the s	
	18-20	11 Yes	2-3 times a week	Vary Class	Vany Sofa	Vary Comfortable	techen so that we the student thar study.		Private pit latrine	
10 Ividic	years	11 163	Week	Very Clean	Very Safe	Very Comfortable	student that study.		r i vate pit i ati i i e	
							I don't use the school			
							latrines so for this reason I can not tell how clean or			
							dirty a are. The school	The negative parts		
								about the school latrines is that the girl		
							because it is a good building. The beneficial of			
	NAME OF THE OWNER OWNER OF THE OWNER OWNE						the school latrines is that	that all ways using the		
	18-20 years	10 No	No answer	No answer	No answer	No answer	the elementary school is the one that	school latrines all the time.	Shared pit latrine	
22.400			,		5.5.5451	and the same of	The good or bad about	The negative or bad	The second secon	
								about the school latrine are some		
	18-20		2-3 times a					students use the floor		
	years	10 Yes	week	Very Clean	Not Safe	Very Comfortable	institution.	or the wall.	No answer	
								The negative aspects about the school		
							The good part is students	latrines is some		
	18-20						release themselves in the	students use the floor rather than the toilet		
	years	10 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable		hold.	Private pit latrine	
							27 28 8237	N N N		
	21-25 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The school latrines is very good for we the students.		Shared pit latrine	
	Location .		210,000	2.207 2.200						
	18-20		2-3 times a				The good about the school latrines is the othe	The latrine is bad		is very dirty because the people who use the
	years	10 No		Dirty	Safe	Very Comfortable		use is latrine containe.	Outside (Bush)	latrines
							The could have to should be	The december occurs		
							The good part is that the school latrines help us to			
	18-20	ward delected	SAMPHARTSHIMM		Wilderson Control of the Control of		school latrines help us to release our self when we	that some people use the toilet as they		
	18-20 years	10 Yes	1 time a week	Very Clean	Very Unsafe	Very Uncomfortable	school latrines help us to release our self when we	that some people use	Private pit latrine	
		10 Yes	1 time a week	Very Clean	Very Unsafe	Very Uncomfortable	school latrines help us to release our self when we	that some people use the toilet as they	Private pit latrine	
		10 Yes	1 time a week	Very Clean	Very Unsafe	Very Uncomfortable	school latrines help us to release our self when we in school.  The school latrines is good because it save person	that some people use the tollet as they tissue.	Private pit latrine	
24 Male	years	10 Yes	1 time a week	Very Clean	Very Unsafe	Very Uncomfortable	school latrines help us to release our self when we in school.  The school latrines is good because it save person when she/he have	that some people use the toilet as they tissue.  The latrines is bad it	Private pit latrine	
24 Male		10 Yes	1 time a week		Very Unsafe Safe	Very Uncomfortable  Comfortable	school latrines help us to release our self when we in school.  The school latrines is good because it save person when she/he have running stomach than	that some people use the tollet as they tissue.	Private pit latrine Outside (Bush)	
24 Male	years						school latrines help us to release our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and		
24 Male	years						school latrines help us to release our self when we fin school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrines because the place	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and		
24 Male	years						school latrines help us to release our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrines because the place is very small. The school	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and		
24 Male	years						school latrines help us to refease our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrine she cause the place is very small. The school latrine is not safe because	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and		
24 Male	years 12-17 years	10 Yes	1 time a week	Clean	Safe	Comfortable	school latrines help us to refease our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrine because the place is very small. The school latrine is not safe because it is very small and they don't take good care of	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is	Outside (Bush)	
24 Male	years 12-17 years		1 time a week		Safe		school latrines help us to refease our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrine because the place is very small. The school latrine is not safe because it is very small and they don't take good care of	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is		
24 Male	years 12-17 years	10 Yes	1 time a week	Clean	Safe	Comfortable	school latrines help us to refease our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrine because the place is very small. The school latrine is not safe because it is very small and they don't take good care of	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is	Outside (Bush)	Yes it is that no one to
24 Male	years 12-17 years	10 Yes	1 time a week	Clean	Safe	Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrine is because the place is very small. The school latrine is because the place is very small at the school latrine is not safe because its very small and they don't take good care of the place.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is	Outside (Bush)	take care of the latrine so
24 Male	years 12-17 years	10 Yes	1 time a week	Clean	Safe	Comfortable	school latrines help us to refease our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrine because the place is very small. The school latrine is not safe because it is very small and they don't take good care of	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.	Outside (Bush)	
24 Male 25 Male	years 12-17 years	10 Yes	1 time a week	Clean	Safe	Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/fie have running stomach than they used the latrines.  I don't use the school latrine is seen scause the place is very small. The school latrine should be sometime to the place is the sen self-well with the school latrine is beneficial to us because sometime you accruater	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you	Outside (Bush)	take care of the latrine so people who not in the instatution can come in and use it in a bad
24 Male 25 Male 26 Male	years  12-17 years  18-20 years	10 Yes	1 time a week	Clean	Safe	Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines because the place is very small. The school latrine is hore after because it is very small and they don't take good care of the place.  The school latrine is beneficial to us because scenetime up to a counter unring stomach on	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water	Outside (Bush)	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for
24 Male 25 Male 26 Male	years 12-17 years	10 Yes	1 time a week  Every day  2-3 times a	Clean	Safe	Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines because the place is very small. The school latrine is because the place its very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you accrunter running stomach on campus you don have to	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and	Outside (Bush)	take care of the latrine so people who not in the instatution can come in and use it in a bad
24 Male 25 Male 26 Male	years 12-17 years 18-20 years 18-20	10 Yes	1 time a week  Every day  2-3 times a	Clean Very Dirty	Safe Very Unsafe	Comfortable  Very Uncomfortable	school latrines help us to redease our self-when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines.  I don't use the school latrines because the place is very small. The school latrine is because the place it is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you acrunter running stomach on campus you don have to go out, you can use it.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and dean yourself.	Outside (Bush) Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name
24 Male 25 Male 26 Male	years 12-17 years 18-20 years 18-20	10 Yes	1 time a week  Every day  2-3 times a	Clean Very Dirty	Safe Very Unsafe	Comfortable  Very Uncomfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/fie have running stomach than they used the latrines.  I don't use the school latrine is set to see the place is very small. The school latrine is person that we will be self-will	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and	Outside (Bush) Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name
24 Male  25 Male	years 12-17 years 18-20 years 18-20	10 Yes	1 time a week  Every day  2-3 times a	Clean Very Dirty	Safe Very Unsafe	Comfortable  Very Uncomfortable	school latrines help us to release our self when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines because the place is very small. The school latrine is because the place is very small and they don't take good care of the place.  The school latrine is beneficial to us because semetime you accrunter running stomach on campus you don have to go out, you can use it.  The latrines do no have any water because anywater because	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the	Outside (Bush) Private pit latrine	take care of the latrine so people who not in the instatution can come in and usel tin a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP
24 Male  25 Male	years 12-17 years 18-20 years 18-20	10 Yes	1 time a week  Every day  2-3 times a	Clean Very Dirty	Safe Very Unsafe	Comfortable  Very Uncomfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/he have number she/he have running stomach than they used the latrines because the place is very small. The school latrine is not save small. The school latrine is not save because tit is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you accruiter unning stomach on campus you don have to go out, you can use it.  The latrines do no have any water because anytime you use a latrine you need to wash your	that some people use the tollet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not	Outside (Bush) Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP Outside (Busl
24 Male  25 Male	years 12-17 years 18-20 years 18-20	10 Yes	1 time a week  Every day  2-3 times a	Clean Very Dirty	Safe Very Unsafe	Comfortable  Very Uncomfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/phe have running stomach than they used the latrines.  I don't use the school latrines because the place is very small. The school latrine is because the place is very small. The school latrine is to safe because this very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you accruter running stomach on campus you don have to go out, you can use it.  The latrines do no have any water because anytime you use a latrines you need to wash your hand and do not have any	that some people use the tollet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not	Outside (Bush) Private pit latrine	take care of the latrine so people who not in the instatution can come in and usel tin a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP
24 Male 25 Male 26 Male	12-17 years  18-20 years  18-20 years	10 Yes	1 time a week  Every day  2-3 times a week	Very Dirty  Dirty	Safe  Very Unsafe	Comfortable  Very Uncomfortable  Not Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/she have running stomach than they used the latrines because the place is very small. The school latrine is because the place is very small. The school latrine is not safe because it is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you accruiter unning stomach or campus you don have to go out, you can use it.  The latrines do no have any water because anytime you use latrines you need to wash your hand and do not have any of these hand pump, these are the thing we	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and unsafe.  The latrine is bas because when you used it on (no) water or tissue to use and dean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not toilet in the hole itself. They can toilet in one floor, this what our left one floor, the whot our before, they had to help to help the hole itself.	Outside (Bush)  Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP latrines is shool violet in the school violet in the
24 Male 25 Male 26 Male	12-17 years  18-20 years  18-20 years	10 Yes	1 time a week  Every day  2-3 times a week	Clean Very Dirty	Safe  Very Unsafe	Comfortable  Very Uncomfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/he have running stomach than they used the latrines because the place is very small. The school latrine is because the place is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you accrunter running stomach on campus you don have to go out, you can use it.  The latrines do no have any water because anythme you use a latrine you need to wash your hand and do not have any of these hand pump, these are the thing we need.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and unsafe.  The latrine is bas because when you used it on (no) water or tissue to use and dean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not toilet in the hole itself. They can toilet in one floor, this what our left one floor, the whot our before, they had to help to help the hole itself.	Outside (Bush) Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP latrines, the school VIP latrines is very clean because no any student or Private pour-
24 Male 25 Male 26 Male 27 Male	12-17 years  18-20 years  18-20 years  21-25 years	10 Yes 10 Yes 10 Yes	1 time a week  Every day  2-3 times a week  1 time a month	Clean  Very Dirty  Dirty  Very Dirty	Safe  Very Unsafe  Very Unsafe	Comfortable  Very Uncomfortable  Not Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/phe have running stomach than they used the latrines.  I don't use the school latrine is because the place is very small. The school latrine is because the place is very small and they don't take good care of the place.  The school latrine is beneficial to us because semetime you accrumter running stomach on campus you don have to go out, you can use it.  The latrines do no have any water because anytime you use a latrines you need to wash your hand and do not have any of these are the thing when these are the thing when the self-will be the school latrine is very of these are the thing when heed.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and unsafe.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not toilet in the hole itself. They can toilet in the hole itself in the floor, this what our toilet look bad.  If you enter in the	Outside (Bush)  Private pit latrine  Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP latrines is shool violet in the school violet in the
24 Male 25 Male 26 Male 27 Male	12-17 years  18-20 years  18-20 years  21-25 years	10 Yes	1 time a week  Every day  2-3 times a week	Clean  Very Dirty  Dirty  Very Dirty	Safe  Very Unsafe	Comfortable  Very Uncomfortable  Not Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she'phe have number she'phe have running stomach than they used the latrines because the place is very small. The school latrine is not safe because it is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you accounter unning stomach on campus you don have to a campus you don have to go out, you can use it.  The latrines do no have any water because anytime you use a latrine you need to wash your hand and do not have any of these hand pump, these are the thing we need.  The school latrine is very dirty the reason I say that is where you.	that some people use the tollet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not tollet in the hole itself. They can tollet in on the floor, this what our tollet look bad.	Outside (Bush)  Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP latrines is shool violet in the school violet in the
24 Male 25 Male 26 Male 27 Male 28 Female	12-17 years  18-20 years  18-20 years  21-25 years	10 Yes 10 Yes 10 Yes	1 time a week  Every day  2-3 times a week  1 time a month	Clean  Very Dirty  Dirty  Very Dirty	Safe  Very Unsafe  Very Unsafe	Comfortable  Very Uncomfortable  Not Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/fish have running stomach than they used the latrines because the place is very small. The school latrine is because the place is very small. The school latrine is because it is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you acrunter unning stomach on campus you don have to go out, you can use it.  The latrines do no have any water because anytime you use a latrines you need to wash your hand and do not have any of these hand pump, these are the thing we need.  The school latrine is very dirty the reason I say that is where you.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and unsafe.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not toilet in the hole itself. They can toilet in the hole itself in the floor, this what our toilet look bad.  If you enter in the	Outside (Bush)  Private pit latrine  Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP latrines is shool violet in the school violet in the
24 Male 25 Male 26 Male 27 Male 28 Female 29 Female	12-17 years  18-20 years  21-25 years  21-25 years  18-20	10 Yes 10 Yes 10 Yes 10 Yes	1 time a week  Every day  2-3 times a week  1 time a month	Clean  Very Dirty  Dirty  Very Dirty  Very Dirty	Safe  Very Unsafe  Very Unsafe  Very Unsafe  Very Safe	Comfortable  Very Uncomfortable  Not Comfortable  Not Comfortable  Very Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/he have running stomach then they used the latrines because the place is very small. The school latrine is because the place is very small. The school latrine is not safe because it is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you acrounter unning stomach or campus you don have to go out, you can use it.  The latrines do no have any doff these hand pump, of these hand pump of these hand pump of these hand pump. The school latrine is very dirty the reason I say that is where you.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and unsafe.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not toilet in the hole itself. They can holt toilet in the hole itself. They can be not toilet in the school latrines, they can not toilet incontinues the school latrines in the school latrines they can not toilet incolk bad.  If you enter in the latrine she not you have not the school latrines, is the school latrines, is the latrines.	Outside (Bush)  Private pit latrine  Private pit latrine  Other	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP latrines is shool violet in the school violet in the
24 Male 25 Male 26 Male 27 Male 28 Female	12-17 years  18-20 years  21-25 years  21-25 years  18-20	10 Yes 10 Yes 10 Yes	1 time a week  Every day  2-3 times a week  1 time a month	Clean  Very Dirty  Dirty  Very Dirty	Safe  Very Unsafe  Very Unsafe	Comfortable  Very Uncomfortable  Not Comfortable	school latrines help us to release our self-when we in school.  The school latrines is good because it save person when she/he have running stomach then they used the latrines because the place is very small. The school latrine is because the place is very small. The school latrine is not safe because it is very small and they don't take good care of the place.  The school latrine is beneficial to us because sometime you acrounter unning stomach or campus you don have to go out, you can use it.  The latrines do no have any doff these hand pump, of these hand pump of these hand pump of these hand pump. The school latrine is very dirty the reason I say that is where you.	that some people use the toilet as they tissue.  The latrines is bad it when is very dirty and unsafe.  The school latrines is dirty and unsafe.  The school latrines is dirty and the place is small.  The latrine is bas because when you used it on (no) water or tissue to use and clean yourself.  Our latrines is very bad because some of the children that use the latrines, they can not toilet in the hole itself. They can toilet in the hole itself. They can toilet in the hole itself.  If you enter in the latrine is the latrine in the latrine in the latrines, is the	Outside (Bush)  Private pit latrine  Private pit latrine	take care of the latrine so people who not in the instatution can come in and use it in a bad condition. Thank you for your interview, my name is Morris Wawoe.  Addition comments regarding the school VIP latrines, the school VIP latrines is shool violet in the school violet in the

							The school latrines are unclean because people in	. The letrines are			
0.0	21-25	2000	200	200			the community misused it	misused inside and	TOTAL OF THE STATE OF		
31 Female	years	10 No	No answer	Dirty	Not Safe	Not Comfortable	all the time.	outside.	Private pit latrine		ļ.
							The beneficial or good				
							about the school latrines	o o		*1	Private pit latrine,
							is, the environment is very dean and also inside the	The negative or		The comment regarding the school or VIP on	Private pour-flush
32 Male	21-25 years	10 Yes	1 time a week	c Very Clean	Very Safe	Very Comfortable	latrine is not polluted that is all about the goodness.		Other	campus is to clean the surrounding.	commode, Shared pour-flush commode
	Lanca					,					F
							The good on the school	The negative or bad on the school latrines is			
33 Female	26-30 years	10 Yes	1 time a week	c Clean	Safe	Comfortable	latrines is very clean and safe.	that no water for washing hand.	Outside (Bush)		
	•						The school latrines is very	N 01			Outside (Bush),
	21-25						unclean, no wash hand water after using the	The latrines is very bay, latrines all over,			Private pit latrine, Shared pour-flush
34 Female	years	10 No	No answer	Very Clean	Very Unsafe	Very Uncomfortable	latrines.	on the floor.	Other		commode
								The bad thing about the school latrines is			
								that it can not be dean			
35 Female	21-25 years	10 No	No answer	Dirty	Not Safe	Very Uncomfortable	The good thing about the school is the building of it.		Private pit latrine		
								The negative and bad			
							The anti-allie	part of the school			
	18-20						hape us when we want to				
36 Male	years	10 Yes	1 time a week	k Very Dirty	Not Safe	Not Comfortable	pupu or pepe	round it.	Private pit latrine		
	18-20						The beneficial or the latrines help us on	The school latrines is not bad but the grass			
37 Male	years	10 Yes	Every day	Clean	Safe	Comfortable	campus.	around it is not good.	Outside (Bush)		
	18-20						The school latrine is for	To clean the latrines			
38 Male	years	10 No	No answer	Very Clean	No answer	No answer	everybody in this campus.	(2) times a week.	Private pit latrine		
							The beneficial part of the				
							latrines is that after toileting there is a place	latrines, is that some people use the latrines			
39 Male	18-20 years	10 Yes	1 time a week	c Very Dirty	Very Unsafe	Very Uncomfortable	you go and wish your hand.	as their tissue, and also use the floor to toilet.			
	7	,		,,		,	The beneficial or				
							goodness about the				
							school is around very dean and also inside the	The negative or		The comment regarding	Private pit latrine, Private pour-flush
40 Male	21-25 years	10 Ves	1 time a week	✓ Very Clean	Very Safe	Very Comfortable	dean and also inside the latrine is not polluted that	badness of the school	Other	The comment regarding the school VIP latrine is to dean the surrounding	Private pour-flush commode, Shared
40 Male	21-25 years	10 Yes	1 time a week	< Very Clean	Very Safe	Very Comfortable	dean and also inside the	badness of the school latrines is the zinc.	Other		Private pour-flush
40 Male		10 Yes	1 time a week	c Very Clean	Very Safe	Very Comfortable	dean and also inside the latrine is not polluted that	badness of the school latrines is the zinc.  The negative or badness about the	Other	the school VIP latrine is to	Private pour-flush commode, Shared
40 Male		10 Yes	1 time a week	< Very Clean	Very Safe	Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some	Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode Private pit latrine,
	years 21-25		2-3 times a				dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the		the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
40 Male 41 Male	years	10 Yes		c Very Clean  Very Clean	Very Safe  Very Safe	Very Comfortable  Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day.  The negative aspect	Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode Private pit latrine, Private pour-flush
	years 21-25		2-3 times a				dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day.		the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male	21-25 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day.  The negative spect about the school latrines is that no one to take of the tissue	Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
	years 21-25 years		2-3 times a	Very Clean			dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative spect about the school latrines is that no one to take of the tissue that we used.  The negative or bad		the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male	21-25 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that o	Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male	21-25 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative spect about the school latrines is that no one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through	Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male 42 Male	21-25 years 18-20 years 21-25	10 Yes	2-3 times a week  1 time a week  2-3 times a	Very Clean	Very Safe Safe	Very Comfortable  Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative spect about the school latrines is that no one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage	Other Outside (Bush)	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male	21-25 years 18-20 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to excrete. The school latrines is good.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrine is the tano one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.	Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male 42 Male	21-25 years 18-20 years 21-25	10 Yes	2-3 times a week  1 time a week  2-3 times a week	Very Clean  c Clean  Very Clean	Very Safe Safe	Very Comfortable  Comfortable  Very Comfortable	dean and also inside the latine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to excrete.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrine is the tano one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.	Other Outside (Bush)	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male 42 Male	21-25 years 18-20 years 21-25 years 12-17 years	10 Yes	2-3 times a week  1 time a week  2-3 times a	Very Clean  c Clean  Very Clean	Very Safe Safe	Very Comfortable  Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to exceed the students and teachers when they to exceed the school because it help us. I also feel good when ever I enter in it.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that no one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.  The bad about the school latrine is the latrine seems that the school latrine is the latrine contisted and damage the area.	Other Outside (Bush)	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male 42 Male 43 Male	21-25 years 18-20 years 21-25 years	10 Yes	2-3 times a week  1 time a week  2-3 times a week	Very Clean  v Clean  Very Clean  v Clean	Very Safe Safe Very Safe	Very Comfortable  Comfortable  Very Comfortable	dean and also inside the latine is not polluted that is all about the goodness.  The beneficial or good about the school latines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to excrete.  The school latrines is good because it help us it also because it help us. I also because it help us. I also feed good when ever I	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines shat no one to take of the tissue that we used. The negative or bad part of the school latrines is that no one to take of the tissue that we used. The negative or bad part of the school latrines is the latrine can be open through which other from outside and damage the area.  The bad about the school latrines in the school latrines is no constant cleaning. Some people can puppo on the floor.	Other  Outside (Bush)  Private pit latrine	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male 42 Male 43 Male 44 Male	21-25 years 18-20 years 21-25 years 12-17 years 18-20 years	10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week	Very Clean  v Clean  Very Clean  v Clean	Very Safe Safe Very Safe Safe	Very Comfortable  Comfortable  Very Comfortable  Comfortable	dean and also inside the latine is not polluted that is all about the goodness.  The beneficial or good about the school latines some are good no bye.  The school latines help us on campus.  The school latines is beneficial because it help the students and teachers when they to excrete.  The school latines is good because it help the students and teachers excrete in the school latines is good because it help us. I also the school latines is good because it help us. I also the school latines is good because it help us. I also the school latines is good because it help us. I also the school latines is good because it help us. I also the school latines is good because it help us. I also the school latines is good because it help us. I also the school latines is good because it help us. I also the school latines is soon as the school latines is good because it help us the school latines is soon as the school latines is good because it help us the school latines is good because it	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative sapect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrines is that no one to take of the tissue that we used. The negative or bad part of the school latrines is the latrine can be open through which other from outside and damage the area.  The bad about the school latrines is no constant cleaning. Some people can pupo on the floor. The school latrines is The school latrines is reverbed and also after the school latrines is reverbed.	Other Outside (Bush) Private pit latrine Outside (Bush)	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared
41 Male  42 Male  43 Male  44 Male  45 Male	21-25 years  18-20 years  21-25 years  12-17 years  18-20 years  21-25 years	10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week	Very Clean  v Clean  Very Clean  v Clean	Very Safe Safe Very Safe Safe	Very Comfortable  Comfortable  Very Comfortable  Comfortable	dean and also inside the latine is not polluted that is all about the goodness.  The beneficial or good about the school latines some are good no bye.  The school latines help us on campus.  The school latines is beneficial because it help the students and teachers when they to excrete.  The school latines is good because it help us. I also feel good when ever I enter in it.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative sapect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrines is that one to take of the tissue that we used. The negative or bad part of the school latrines is the latrine can be open through which other from outside and damage the area.  The bad about the school latrines is no constant cleaning. Some people can pupo on the floor. The school latrines is The school latrines is reverbed and also after the school latrines is reverbed.	Other Outside (Bush) Private pit latrine Outside (Bush)	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode, Shared pour-flush commode
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No	21-25 years 18-20 years 21-25 years 12-17 years 18-20 years 21-25 years	10 Yes 10 Yes 10 Yes 10 Yes 10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latinities for upolluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help us to the school latrines is beneficial because it help the students and teachers when they to excrete. The school latrines is good when ever I enter In it.  The school latrines is very good it is not bad.  The school latrines is very good it is not bad.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines shat no one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.  The bad about the school latrines is no constant cleaning. Some people can pupoe on the floor. The school latrines is very bad and also after using the latrine no work of the school latrines is very bad and also after using the latrine is the school latrines is very bad and also after using the latrine no	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),
41 Male  42 Male  43 Male  44 Male  45 Male	21-25 years  18-20 years  21-25 years  12-17 years  18-20 years  21-25 years	10 Yes 10 Yes 10 Yes 10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty	Very Safe  Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Comfortable  Very Comfortable	dean and also inside the latinties for topolitied that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it thelp the students and teachers when they to excrete. The school latrines is good when ever I enter In it.  The school latrines is good when ever I enter In it.  The school latrines is very good it is not bad.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrines is that no one to take of the tissue that we used. The negative or bad part of the school latrines is the latrine can be open through which other from outside and damage the area.  The bad about the school latrines in constant cleaning. Some people can pupo on the floor. The school latrines is no constant cleaning.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode, Shared pour-flush commode
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No	21-25 years 18-20 years 21-25 years 12-17 years 18-20 years 21-25 years	10 Yes 10 Yes 10 Yes 10 Yes 10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to excrete. The school latrines is good because it help us. I also feel good when ever I enter in it.  The school latrines is very good it is not bad.  The school latrines is very good it is not bad.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.  If he bad about the school latrine is no constant cleaning. Some people can puppo on the floor. The school latrine is the very bad and also after using the latrine no water.  The negative or bad part of the school latrine is the latrine no water.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No	21-25 years 18-20 years 21-25 years 12-17 years 18-20 years 21-25 years	10 Yes 10 Yes 10 Yes 10 Yes 10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latine is not polluted that is all about the goodness.  The beneficial or good about the school latines some are good no bye.  The school latrines flab beneficial because it their the students and teachers when they to excrete. The school latrines is good because it their the students and teachers when they to excrete. The school latrines is good because it their office in the school latrines is very good it is not bad.  The school latrines is very bad.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative special latrines shat no one to take of the tissue that twe used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.  The bad about the school latrine is the latrine constant cleaning. Some people can pupoon on the floor. The school latrines is no constant cleaning. The school latrines is no constant cleaning. The school latrines is no constant cleaning.  The school latrines is very bad and also after using the latrine no water.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No 47 answer	21-25 years  18-20 years  21-25 years  21-27 years  12-17 years  21-25 years  18-20 years	10 Yes  10 Yes  10 Yes  10 Yes  10 Yes  10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day  1 time a week	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty  c Very Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to excrete.  The school latrines is good because it help the students and teachers here the properties of the school latrines is good because it help us. I also the school latrines is very good it is not bad.  The school latrines is very good it is not bad.  The school latrines is very good it is not bad.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrines is the from outside and damage the area.  The bad about the school latrines is no constant cleaning. Some people can pupoo on the floor. The school latrines is no constant cleaning. Some people can pupoo on the floor. The school latrines is the latrine and also after using the latrine no water.  The negative or bad part of the school latrines is the latrine can be open through which other from outside and damage could be considered and damage.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine  No answer  Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No	21-25 years  21-25 years  21-25 years  21-27 years  18-20 years  21-25 years  18-20 years	10 Yes 10 Yes 10 Yes 10 Yes 10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty  c Very Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to excrete.  The school latrines is good because it help us labor feel good when ever I enter init.  The school latrines is very good it is not bad.  The school latrines is very good it is not bad.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrines is that one to take of the tissue that we used. The negative or bad part of the school latrines is the latrine can be open through which other from outside and damage the area.  The bad about the school latrines is no constant cleaning. Some people can pupo on the floor. The school latrines is the latrine no water.  The negative or bad part of the school latrines is the latrine no water.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine  No answer  Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No 47 answer	21-25 years  18-20 years  21-25 years  21-27 years  12-17 years  21-25 years  18-20 years	10 Yes  10 Yes  10 Yes  10 Yes  10 Yes  10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day  1 time a week	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty  c Very Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latrine is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help the students and teachers when they to excrete.  The school latrines is good because it they because it help the students and teachers then they to excrete.  The school latrines is very good it is not bad.  The school latrines is very good it is not bad.  The school is latrine beneficial because it help the school latrines is very good it is not bad.  The school is latrine beneficial because it help teachers and students when they excrete.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.  It has been also the school latrine is the latrine no water.  The school latrine is often using the latrine no water.  The negative or bad part of the school latrine is the latrine on be open through which other from outside and danage the area.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine  No answer  Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No 47 answer	21-25 years  18-20 years  21-25 years  21-27 years  12-17 years  21-25 years  18-20 years	10 Yes  10 Yes  10 Yes  10 Yes  10 Yes  10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day  1 time a week	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty  c Very Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latitude is not polluted that is all about the goodness.  The beneficial or good about the school latrines some are good no bye.  The school latrines help us on campus.  The school latrines is beneficial because it help us on campus.  The school latrines is good on bye students and teachers when they to excrete.  The school latrines is good of the school latrines is good of the school latrines is good of the school latrines is sery good it is not bad.  The school latrines is very good it is not bad.  The school latrines is very bad.	badness of the school latrines is the zinc.  The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines is that on one to take of the tissue that we used. The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.  It has been also the school latrine is the latrine no water.  The school latrine is often using the latrine no water.  The negative or bad part of the school latrine is the latrine on be open through which other from outside and danage the area.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine  No answer  Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),
41 Male  42 Male  43 Male  44 Male  45 Male  46 Male  No 47 answer	21-25 years  18-20 years  21-25 years  12-17 years  12-17 years  18-20 years  18-20 years	10 Yes  10 Yes  10 Yes  10 Yes  10 Yes  10 Yes	2-3 times a week  1 time a week  2-3 times a week  1 time a week  Every day  1 time a week	Very Clean  Very Clean  c Clean  c Clean  c Very Clean  Dirty  c Very Dirty	Very Safe  Very Safe  Very Safe  Very Safe  Very Safe  Very Safe	Very Comfortable  Comfortable  Very Comfortable  Comfortable  Very Comfortable  Very Comfortable  Very Comfortable	dean and also inside the latine is not polluted that is all about the goodness.  The beneficial or good about the school latines some are good no bye.  The school latines is beneficial because it help the students and teachers when they to excrete.  The school latrines is beneficial because it help the students and teachers when they to excrete.  The school latrines is good because it help us. I also be deal of the school latrines is yeary good it is not bad.  The school latrines is very good it is not bad.  The school latrines is very good it is not bad.  The school is latrine beneficial because it help the school latrines is very bad.	badness of the school latrines is the zinc. The negative or badness about the school latrines some are zinc and good care talk that us, clean the latrine every day. The negative aspect about the school latrines shat that once to take of the tissue that we used. The negative or bad part of the school latrines is that no one to take of the tissue that we used. The negative or bad part of the school latrines the latrine can be open through which other from outside and damage the area.  The bad about the school latrines is no constant cleaning. Some people can pupoe on the floor. The school latrines is no constant cleaning.  The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.  The negative or bad part of the school latrine is the latrine can be open through which other from outside and damage the area.	Other  Outside (Bush)  Private pit latrine  Outside (Bush)  Private pit latrine  No answer  Other	the school VIP latrine is to	Private pour-flush commode, Shared pour-flush commode  Private pit latrine, Private pour-flush commode, Shared pour-flush commode  Outside (Bush),

							and the second control of	The negative of the school latrines are		
50 Male	18-20 years	10 Yes	1 time a week	Clean	Safe	Comfortable	The school latrines is looking good.	some children pupoo on the floor.	Private pit latrine	
55.1416.0	yours	10 100	2 0110 2 4 000	Crouri	Suite	Commonage		011 010 110011	T HAGEO PICTOCHIO	
							The school latrines is beneficial to the student	No water at the		
	18-20						and teacher, but it not	latrines to use after		
51 Male	years 26-30	10 No	No answer 2-3 times a	Clean	Not Safe	Not Comfortable	pupne clean to be used. It help us to defercate	usedign it. No tissue	No answer	
52 Female		10 Yes		Very Clean	Very Safe	Very Comfortable	good area.		Private VIP latrine	
							The school latrines is good			
							because I feel good when			
	42.47						ever I enter it and it help people when ever they			
53 Male	12-17 years	10 Yes	1 time a week	Clean	Safe	Comfortable	get runing stomach.	school latrines is no constand cleaning.	Outside (Bush)	
							The goodness about the			
	18-20		2-3 times a				school latrines is the building, but inside very,	The negative part of		
54 Male	years	10 Yes		Dirty	Very Unsafe	Very Uncomfortable	very dirty.	the latrines is dirty.	Private pit latrine	
	18-20		2-3 times a				The latrines is very clean because they take good			
55 Female		10 Yes		Very Clean	Very Safe	Very Comfortable	care of it.		Private VIP latrine	
							My school latrines is good			
							because then is water			
No	21-25	40.11		el.	5.7	181 - 7 - 11 - 171	outside worsn you hands		61 1 1981 11	
56 answer	years	10 No	1 time a week	Clean	Safe	Comfortable	went you come out.		Private VIP latrine	
							My school latrines is good			
No	26-30						because there is water outside warsh your hands			
57 answer	years	10 Yes	1 time a week	Clean	Safe	Comfortable	went you come out.		Private VIP latrine	
							The good shout the			
	18-20		2-3 times a				The good about the school latrines is building,	The negative thing is		
58 Male	years	10 Yes		Very Dirty	Very Unsafe	Very Uncomfortable		dirty.	Private pit latrine	We pleased that there
							get door after visiting the	It is not plenty		should be another
	21-25						latrine then you lock the	according to our		construction of latrine for
59 Female	years	12 Yes	Every day	Clean	Safe	Comfortable	door.	population.	Private pit latrine	our school.
							The beneficial of the			
							school latrine it help the student and teachers on			
							campus it is good because	The negative part of		
							some student have running stomach diseases	the school latrine is do		
							for these who have	be full bard part about		
							disease they use the	the school latrine is		
60 Male	18-20 years	12 Yes	Every day	Clean	Very Safe	Very Comfortable	latrine to help themselves.	the community people can use the latrine.	Private pit latrine	
								The negative or bad about the school		
								latrines some		
							The beneficial or good is it	community people use the latrine they make		
							help some students to put	the latrines dirty, other		
61 Female	21-25 waars	12 Yes	1 time a week	Claso	Safe	Comfortable	out the waste products on the school campus.	students can take good care on it.	Private pit latrine	
OI remaie	years	12 (6)	1 unie a week	Clear	Sale	Connortable	ale school campus.	Carecinic	riivate pitiatilie	
								The negative or bad about the school		
								latrines is very must		
								good because she build the latrine in		
							The beneficial or good	order to help student.		
62.11	18-20	42.11	2-3 times a	21.00	C. C.	County 11	about the school latrines	Every week she dean	No. 1. Inc. 1.	
62 Male	years	12 Yes	week	Clean	Safe	Comfortable	is to help students.	the latrine.	Private pit latrine	
							My beneficial or good			
							about the school latrines is since we have geneter			
							(janitor) in the school	Our latrines are not		
63 Male	18-20 wears	12 Yes	1 time a week	Very Dirty	Very Lineafa	Very I Incomfortable	then the latrines can't be dirty she make she that	too much equal to our population in school.	Private nit latrina	
US IVIBLE	years	12 (68	1 unie a week	very Direy	very onsaie	very or comfortable	The school latrines are	population in school.	r i vate pit latrine	
							beneficial to the school			7
							because it helped students to release	The school latrines are		The school VIP latrines are important for the school
<b>33</b>	21-25		20.		\$2	23 4000	themselves when they	very bad and dirty with		so you people must try to
64 Male	years	12 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable	want.	pollution, bad odor. We can clean around	Shared pit latrine	make it save and clean.
								the latrines every day;		
65 Mala	18-20 waars	12 Vac	1 time a week	Vany Class	Vary Sofo	Comfortable		she is trying her best,	No answer	
65 Male	years	12 Yes	1 ume a week	very clean	Very Safe	Comfortable	taking care of it.	yes.	No answer	
							The school latrines	The school latrine is		
			2.2.4				beneficial is good because it help the student to use		Private pour-flush	
	21-25		2-3 times a					process of the property		
66 Male	21-25 years	12 Yes	2-3 times a month	Very Dirty	Very Unsafe	Very Uncomfortable	it when they need of it,	(odor).	commode	
66 Male		12 Yes		Very Dirty	Very Unsafe	Very Uncomfortable	it when they need of it,	(odor).	commode	

67 Male	21-25 years	12 Yes	2-3 tímes a week V	Very Clean	Very Safe	Comfortable	home for latrine, you strighly goes to the		Shared MP latrine	I extend my thanks and appredate for the effort being applied to enable students used the school latrines on campus, instead of going home for latrine. We shortly run to the latrine on campus to please ourselves so we say thanks to you.	
	•			•	<b>V</b>		The school latrines is beneficial to the students because it help student to attend nature. He or she	The negative parts of the school latrines is the dirtyness. The dirty always in by some individual. Another thing is the			
68 Male	18-20 years	12 Yes	1 time a week V	Very Dirty	Very Unsafe	Very Uncomfortable	The latrines help the	care of and is very uncomfortable.	Private pour-flush commode		
69 Female		12 Yes	1 time a week V	Very Clean	Very Safe	Very Comfortable	student from going to their houses. School latrines help study		Private pour-flush commode		
70 Male	21-25 years	12 Yes	1 time a week C	Clean	Safe	Comfortable	to pass on excecs water or		Other		Private pit latrin Shared VIP latrir
71 Male	21-25 years	12 Yes	1 time a week V	Very Dirty	Very Unsafe	Very Uncomfortable	I can ease myself where I am very germ.	Actually, there is no control and the worst of all the latrine is used as community latrine. The latrine is bad because there is no control of it and also	Shared VIP latrine		
72 Female	21-25 years	12 Yes	1 time a week V	Very Dirty	Very Unsafe	Very Uncomfortable	I can ease myself where I	the community misused it.	Shared VIP latrine		
73 Male	18-20 years	12 Yes	2-3 times a week C	Clean	Not Safe	NotComfortable	One of the beneficiary			therefore it is not save for student usage. It is very essential that our school has a VIP latrine that will enable our instructional staff visit if in need; it is important that our school system has latrine to avoid we the students and our staffs using one latrine.	
74 Male	18-20 years	12 Yes	2-3 times a week V	√ery Clean	Not Safe	Not Comfortable	the latrines because it make students not go	The bad about the latrines is pollution is the any things I am seed about it.	Shared pit latrine	People can come from outside to use our latrine, so is not safe sometime for the students to use it. My comment have to do with the school health to take good clean of the latrines. For the outside to stop use it and let it be in a sad condition.	
	26-30						The school latrines help the student not to go to the house or to go to people house, for the past 2 years the latrines so		Private pour-flush		
75 Female		12 Yes	1 time a week V	very clean	Safe	Very Comfortable	latrines the school is	The children that in the morning school is	commode		
No 76 answer	21-25 years	12 Yes	1 time a week V	Very Clean	Very Safe	Very Comfortable	school latrines. The school latrines are very beneficiary to me because it makes me to	not keeping the latrines clean. If the latrines was having a negative impact, I wouldn't have told you about	Outside (Bush)		
77 Male	21-25 years	12 Yes	Every day V	Very Clean	Very Safe	Comfortable	want to. In the past I was not use to.		Shared pit latrine		
	No	12 Yes	1 time a week V	√ery Dirty	Not Safe	Not Comfortable	The beneficial or good about the school latrines is to help the student released themselve on campus not to go home	The negative social about the school latrines is that the community member are misusing the school latrines for example on the flow (floor).	Shared pit latrine		
78 Female	answe r					2.2.2	The beneficial part about the school is that students	aoe.w	and proceed to the		
78 Female	r 21-25	12 Yes	1 time a week C		Very Safe	Very Comfortable	don't have to leave the campus to release themselves while they have latrines on the	The negative thing is that we don't have genetor (janitor) to dean the latrines all the time.	Private pour-flush commode		

I a										
							The beneficial or good about the school latrines is to help the student	The negative side about the school latrines is that the community member are misusing the school latrines for		
80 Female	21-25 years	12 Yes	1 time a week	Very Clean	Very Safe	Comfortable	campus not to go home	example on the flow	Private pit latrine	
	18-20		2-3 times a				because it help us when we come to school.	For the negative part or bad part about the school latrines is that the school do not have latrines material like		
81 Male	years	11 Yes	week	Clean	Safe	Comfortable	very good to go in.	scap.	Private pit latrine	
82 Male	21-25 years	11 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The good thing about the school latrines is very	latrine is not have soap	Private pit latrine	
	21-25	1000000			and the second		The school latrines benefit to me because the place is	The bye part about the		
83 Male	years	11 Yes	Every day	Very Clean	Very Safe	Very Comfortable			Private pit latrine	
84 Male	12-17 years		2-3 tímes a week	Clean	Safe	Comfortable	good for students to use it because it helps the students to free themselvf	part of the school latrines it is not in good condition in which the latrines doors can be open any time.	Other	Yes, the school VIP latrines need school power flush commode an some other materials that Private VIP latrine, is good for the latrines. Shared pit latrine The VIP latrines is very good there is pood the interpood there is pood there is pood the interpood there is pood the interpood there is pood the interpoo
85 Male	18-20		2-3 times a	Very Clean	Very Safe	Very Comfortable	becase we cango out to	about the school	No answer	contaminant on the VIP
85 Maie	years		week	very clean	very sare	very Comfortable	The beneficial is good	The negative about the school latrines is do not have soap to wash your hand. We have	No answer	The school VIP latrines is
86 Female	18-20 years		2-3 times a week	Very Clean	Very Safe	Very Comfortable	about the school latrine is good for used.		Private pit latrine	good because awat lock and safe.
87 Male	12-17 years	11 Yes	1 time a week	Clean	Not Safe	Comfortable	the student to themselves	part or the school latrines it hatin an good atmosphere in which the latrine door	Private pit latrine	
88 Male	26-30 years	12 Yes	2-3 times a week	Clean	Safe	Comfortable	pipe after visiting them to		Outside (Bush)	
	18-20		2-3 times a				The latrines is very good	When the student use the latrines is for		Yes, we regard the school
89 Female	years 21-25 years	12 Yes	veek  2-3 times a week		Not Safe  Not Safe	Not Comfortable  Not Comfortable		When the student latrines is protected therefore is save for	Private pit latrine	VIP latrines.  Some people from outside to use student latrine therefore it is not save for student. It's good that your school has a latrines. When your school has a latrines it will help to save you.
91 Female	26-30 years	12 Yes	1 time a week	Clean	Safe	Not Comfortable	The beneficial of the school latrines is very good to me this is why are beneficial for the school.		No answer	
92 Female	26-30				Very Safe	Very Comfortable	The good about the school latrine is the latrine is always clean both inside and outside for the student to use it. Also help them from going out	The good about the school is the school latrines is the latrine is always clean both	Private pit latrine	No additional or comment about the school VIP latrines because school VIP latrines is restricted.
93 Male	21-25 years		2-3 times a		Safe	Comfortable	The latrines is very good because it help the	The bad about the school is because the community member around the school missused the school	Private pit latrine	Well I do not have much to write about the school VIP latrines but I want to make a recommendation I wuold like If you complete your study, please take trip to Africa, Liberia so you can help our people.

94 Female	21-25 years	12 Yes	Every day	Very Clean	Very Safe	<b>Very</b> Comfortable	My school latrines is beneficial to we the student because we can use it because it help us we the student.	The bad about the school latrines is the latrines in the center of the city so every body can use it so it can not be clean.	Private pit latrine	I do have much to write about the school VIP latrines but I want to make a recommendation I would like If you complete your study please take trip to Africa Liberia so you can help our people.
95 Male	21-25 years	12 Yes	2-3 times a month	Clean	Safe	Comfortable	What is very good about the school latrines is when ever I want to go to the toilet, I can make a quick used of it.	community makes	Private VIP latrine	I do not have much to write about the school VIP latrines. But I want to make a recommendation. I would like if you complete your study, please take a trip to Uberla so that you can help our people with better knowledge. Thank you very much. God bless you.
33 141010	yours	12 103	monar	Cicui	Juic	comortable	The good part is the help student to stay on	became unity.	T II Valle VIII Talline	you
96 Male	21-25 years	12 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	campus. The bad because some people misuse it.	The negative part is that people misuse it.	No answer	
97 Male	21-25 years	12 Yes	2-3 times a month	Clean	Safe	Comfortable	The good thing about my school latrines is that I can go there at any time during school hour.	The school latrines is very close to my class.	Outside (Bush)	
98 Female	26-30 years	12 Yes	1 time a week	Clean	Safe	Comfortable	The beneficial or good about the school latrines is after excretion there is a hand washing pump provided to use after latring.	The negative or bad thing about the school latrines is people from outside can go there, if they see lock there they will spoil.	Private pit latrine	Additional comments regarding the school VIP latrines is that the VIP latrines is restracted prowded and there is no protectice (protective) covering of the hold (hole).
	21-25						The beneficial or good about the school latrines is after excretion there is a hand washing pump	outside can go there, if		Additional comments regarding the school VIP latrines is that the VIP latrines is restracted. But after excretion there is no tissue provided and there
	And And						provided to use after	they see lock there		is no protective covering
99 Male	years	12 Yes	1 time a week	Clean	Safe	Comfortable	provided to use after latring.	they see lock there they will spoil.	Private pit latrine	of the hole.
	years 18-20		2-3 tímes a				The school latrines help us to go in the latrines freely no go outside to people and ask the for them	they will spoil.  The school latrines is not bad, everything is		
99 Male 100 Female	years 18-20	12 Yes	2-3 tímes a	Clean Very Clean	Safe Safe	Comfortable  Very Comfortable	latring.  The school latrines help us to go in the latrines freely no go outside to people	they will spoil.  The school latrines is notbad, everything is very good.  The negative or bad the school latrines is not too due, the	Private pit latrine Shared VIP latrine	
	years 18-20 years 18-20 years		2-3 tímes a	Very Clean			I latring:  The school latrines help us to go in the latrines freely no go outside to people and ask the for them latrines.  The beneficial good about the latrines is very good because it theip the student not to go faw (far) from the school campus. The negative aspect is	The school latrines is notbad, everything is very good.  The negative or bad the school latrines is not too due, the student are many and the latrines is small.		of the hole.  We need to additional is that it is a very important to all environment is hand pump for hand washing after larrines.
100 Female	18-20 years 18-20 years 26-30	12 Yes	2-3 times a week	Very Clean	Safe	Very Comfortable	The school latrines help us togo in the latrines freely togo in the latrines freely on go outside to people and ask the for them latrines. The beneficial good about the latrines is very good because it help the student not to go faw (far) from the school campus. The negative aspect is that some people used the school latrine bad	The school latrines is not bad, everything is very good.  The negative or bad the school latrines is not too due, the student are many and	Shared VIP latrine	of the hole.  We need to additional is that it is a very important to all environment is hand pump for hand washing
100 Female  101 Male  102 Female	18-20 years 18-20 years 26-30 years 26-30	12 Yes 12 Yes 12 Yes	2-3 times a week  1 time a week  Every day	Very Clean  No answer  Very Clean	Safe  No answer  Very Safe	Very Comfortable  No answer  Very Comfortable	The school latrines help us togo in the latrines freely togo in the latrines freely no go outside to people and ask the for them latrines.  The beneficial good about the latrines is very good because it help the student not to go faw (far) from the school campus. The negative aspect is that some people used the school latrine bad. The sudent dean the latrines the dean the	The school latrines is not bad, everything is very good.  The negative or bad the school latrines is not too due, the student are many and the latrines is small.  The people used the latrine bad.  The student dirty the	Shared VIP latrine  Private pit latrine  No answer	of the hole.  We need to additional is that it is a very important to all environment is hand pump for hand washing after larrines.  We pleased to used the
100 Female  101 Male  102 Female  103 Female	18-20 years 18-20 years 26-30 years 26-30 years 21-25	12 Yes 12 Yes 12 Yes 12 Yes	2-3 times a week  1 time a week  Every day  1 time a week	Very Clean  No answer  Very Clean  Clean	Safe  No answer  Very Safe  Safe	Very Comfortable  No answer  Very Comfortable  Comfortable	latring: The school latrines help us to go in the latrines freely us go outside to people and ask the for them latrines. The beneficial good about the latrines is very good because (thelp the student not to go faw (far) from the school campus. The negative supect is that some people used the school latrine bool latr	they will spoil.  The school latrines is not bad, everything is very good.  The negative or bad the school latrines is not too due, the suddent are many and the latrines is small.  The people used the latrine bad	Shared VIP latrine  Private pit latrine  No answer	of the hole.  We need to additional is that it is a very important to all environment is hand pump for hand washing after larrines.  We pleased to used the
100 Female  101 Male  102 Female	18-20 years 18-20 years 26-30 years 26-30 years 21-25	12 Yes 12 Yes 12 Yes	2-3 times a week  1 time a week  Every day  1 time a week	Very Clean  No answer  Very Clean	Safe  No answer  Very Safe	Very Comfortable  No answer  Very Comfortable	The school latrines help us togo in the latrines freely no go outside to people and ask the for them latrines. The beneficial good about the latrines is very good because if thelp the student not to go faw (far) from the school campus. The negative aspect is that some people used the school latrine bad The student dean the latrines the dean the latrine everyday.  The most beneficial or good about this latrine is that, it help student to release them selves. The latrine latr	The school latrines is not bad, everything is very good.  The negative or bad the school latrines is not to due, the student are many and the latrines is small.  The people used the latrine bad.  The student dirty the latrines in the school.  The negative part or aspect about the school latrines is that, the hole or the pit is not to much dig so as I am looking or a	Shared VIP latrine  Private pit latrine  No answer	of the hole.  We need to additional is that it is a very important to all environment is hand pump for hand washing after larrines.  We pleased to used the school latrine.  What we need to be added is that, it is a very important to all environment is hand
100 Female  101 Male  102 Female  103 Female	18-20 years  18-20 years  26-30 years  26-30 years  21-25 years	12 Yes 12 Yes 12 Yes 12 Yes	2-3 times a week  1 time a week  Every day  1 time a week  Every day	Very Clean  No answer  Very Clean  Clean	Safe  No answer  Very Safe  Safe  Safe	Very Comfortable  No answer  Very Comfortable  Comfortable	I atring:  The school latrines help us to go in the latrines freely us go outside to people and ask the for them latrines.  The beneficial good about the latrines is very good because if thelp the student not to go faw (far) from the school campus. The negative aspect is that some people used the school latrine bad The student clean the latrines the clean the latrines where the dean the latrine everyday.  The most beneficial or good about this latrine is that, it help student to recease themselves. The	they will spoil.  The school latrines is not bad, everything is very good.  The negative or bad the school latrines is not to due, the student are many and the latrines is small.  The people used the latrine bad  The student dirty the latrines in the school.  The negative part or aspect about the school latrines is that, the hole or the pit is not too much digs oas I am looking or thinking the pit will fill up very sooner.	Shared VIP latrine  Private pit latrine  No answer  Private pit latrine  Private pit latrine	of the hole.  We need to additional is that it is a very important to all environment is hand pump for hand washing after larrines.  We pleased to used the school latrine.  What we need to be added is that, it is a very important to all
100 Female  101 Male  102 Female  103 Female  104 Female	18-20 years 18-20 years 26-30 years 21-25 years 21-25 years	12 Yes 12 Yes 12 Yes 12 Yes 12 Yes 12 Yes	2-3 times a week  1 time a week  Every day  1 time a week  Every day	Very Clean  No answer  Very Clean  Clean  Clean	Safe  No answer  Very Safe  Safe  Safe	Very Comfortable  No answer  Very Comfortable  Comfortable  Comfortable	I latring:  The school latrines help us to go in the latrines freely no go outside to people and ask the for them latrines. The beneficial good about the latrines is very good because if their but student not to go faw (far) from the school campus. The engative aspect is student not to go faw (far) from the school latrine bad the school latrine bad the school latrine bad the latrines the clean the latrine everyday.  The most beneficial or good about this latrine is that, it help student to release themselves. The latrine play very important role presently in the school. The beneficial or good thin about the school latrines is that, if a student have stomack complain, the latrine in the school is there to help the student release themselves.  The beneficial or good	they will spoil.  The school latrines is not bad, everything is very good.  The negative or bad the school latrines is not too due, the student are rany and the latrines is small.  The people used the latrines is small.  The student dirty the latrines in the school.  The negative part or aspect about the school latrines is that, the hole or the pit is not too much dig so as I am looking or thinking the pit will fill up very sooner.  The negative or bad thing about the school latrines is that the hole or the school latrines is that the school latrines is that the school latrines is that the hole or the pit is not too much dig so as I am looking or thinking the pit will fill up very sooner.	Shared VIP latrine  Private pit latrine  No answer  Private pit latrine  Private pit latrine	of the hole.  We need to additional is that it is a very important to all environments hand pump for hand washing after larrines.  We pleased to used the school latrine.  What we need to be added is that, it is a very important to all environment is hand pump for hand washing after latrine.  What we need to be added is that, it is important to all environment is hand pump for hand washing after latrine.  What we need to be added is that it is important to all environment need to have

								The bad about the		
	21-25		2-3 times a				The school is very good because the teach can be	school is to be on the sun and have		
108 Male	years	12 Yes	week	Very Clean	Safe	Comfortable	on time.		Shared VIP latrine	
							We used the school	The negative thing in school latrine is the		
109 Male	21-25 years	12 Yes	2-3 times a week	Clean	Safe	Very Comfortable	latrines is very good for the school.	community used the latrines.	Private pit latrine	
	7				-07/0	,			, , , , , , , , , , , , , , , , , , ,	
							The good about the school latrines is the	The school latrines not		
110 Female	26-30 years	12 Yes	1 time a week	Vary Class	Vary Unesfa	Vary Uncomfortable	latrines is always clean both inside and outside.	have a comfortable door.	Private pit latrine	
110 remaie	years	12 163	1 unie a week	very clean	very or issue	very oriconnortable	bod i made and outside.	The negative part of	- rivate prefacilite	
							We use the latrines very	the school latrines is they people using the		
*** ***	18-20	42.1/	1 time a week	er	n (*)	W = 5 111	good and we feel	school latrines for		
111 Male	years	12 Yes	1 ume a week	Clean	Safe	Very Comfortable	comfortable in it.	outside.	Private pit latrine	
							The students of TWI enjoy the school latrines, that			
	21-25						while make the school	The school latrines is		
112 Male	years	12 Yes	1 time a week	Very Clean	Very Safe	Comfortable	benefit. The school latrines is good	not in good condition.		
							when there is good care take r to the latrines;			
							latrines should be on	care taker to take care		There is comment
							campus for the students to use it in case of any	of the latrines. Every school campus should		regarding the school latrines, but deal to the
112 54-1-	21-25	13 Vac	2-3 times a	Many Diete	Manulleret	Vanul Incomfortal	runing stomach or	have a good watch	Drivata nitiativa	mismanage of the school
113 Male	years	12 Yes	week	Very Dirty	very Unsate	Very Uncomfortable			Private pit latrine	affairs.
							The school latrines is clean good benefical will	Some people in community make used		
95,500	26-30	1011	2-3 times a	84.5	***	SE VIIV	come like some latrines	the latrines in and out	63 1 1061 11	
114 Male	years	12 Yes	week	Dirty	No answer	Comfortable	and material. The good part about the	of the suround.	Private VIP latrine	
							school latrines is that the school latrines is very	The school latrines not		
	26-30		2-3 times a				colorful with blue and	have a comfortable		
115 Male	years	12 No answer	month	Very Dirty	Not Safe	Very Uncomfortable	white.	door.	Private pit latrine	
							The beneficial or good about the school latrines			The office of the state of the
								The negative or bad of		The additional comments is that the school latrines
	26-30						a hand washing pump provided to use after	the school latrines is that the latrines is very		does not hand washing pump after toiletin we
116 Male	years	12 Yes	1 time a week	Clean	Safe	Comfortable	latring.		Private pit latrine	need to wash our hand.
117 Male	21-25 years	12 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable		The negative or bad about the school latrines is that the student can not use the latrines the rightful way.	Shared pit latrine	Some people from outside to use the latrine so for that reason the latrines is that raske. The school does not have a VP latrines because the teachers can not use the latrines too mush, that what the school does not have a VIP latrines.
III Widio	ycurs	12 103	WECCK	Unity	NOC SOIC	140 COMINO CODIC		way.	orial cu pre laurine	THE ITEM
							Good care taken by the students and the			
	21-25						administration, chemical devices place into the	The school latrines don't have a negative		
118 Male	years	12 Yes	Every day	Very Clean	Safe	Very Comfortable	latrine kill the waste		Shared pit latrine	
119 Male	21-25 years	12 Yes	2-3 times a week	Dirty	Safe	Comfortable	The beneficial or good about the school atrines is that it help students to release themselves qualy.	The negative or bad of the school latrines is that the latrines is very diffty.	Private pit latrine	The additional comments Is that, the school latrines does not have hand washing pump, after tolleting we need to wash our hand, so for this, I want to let you to help the school have hand washing pump. Thanks!
AAD IVIGIC	, and	22.103	- Parant		Suite	como wade	72 28 MOS		accpreadune	postipe manifes
							The school latrines is important because when	School latrine can be bad when it can not be		
	24.25		2.2				ever you want to use the	dean or if there is no		
120 Female	21-25 years	12 Yes	2-3 times a week	Clean	Safe	Comfortable	latrine you will use the school latrine.	door and is been use by the community.	Private pit latrine	
121 Male	18-20 years	12 No	Every day	Clean	Very Safe	Comfortable	The school latrines is beneficial to us because we use it when we in need of.	The negative or bad thing about the school latrines is because the latrines is not lock, get	Shared pit latrine	
222 1910/0	,		,,		,			1X 02 94 XX 02		
							The beneficial or good about the school latrine is	The bad part about the school latrines is if the		
122 Mala	26-30	12 Vac	Every day	Vary Class	Vary Sofo	Vary Comfortable	because it is very clean a	students fills (fails) to	Sharad VID latting	
122 Male	years	12 Yes	Every day	Very Clean	Very Safe	Very Comfortable	very safe for human used.	uean une surrounding.	orial eur vir lattine	

123 Female	18-20 years	12 Yes	2-3 times a week	Clean	Safe	Very Comfortable		too much equal to our	Private pit latrine	I pilite (plead) with you to pis help us add our latrines up.
	21-25						ease ourself at any time while on campus or	The negative thing about the school latrines is that some of the nearby community member sometime	Private pour-flush	My comments goes to the administration (T WI) to please construct another modern latrines for our
124 Male	years	12 Yes	Every day	Clean	Safe	Comfortable	during school hour.	used the latrines.	commode	uses.
125 Female	18-20 years	12 Yes	Every day	Very Clean	Very Safe	Comfortable	The good aspect of the school latrines is that it help to put out our waste product during school time.	The negative part of our school latrines is that the kingdomgarden some time don't know how to flush the commode.		I please that there should be another latrine for the kingdomgarden.
126 Female	12-17 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The beneficial good about the school latrines	The school latrines is very good.	Private pit latrine	
	12-17	40.0	2-3 times a			W. 7 (1)	The beneficial good about the school latrines is the government pay people to dean the latrines 2 to 3	The negative or bad thing about school latrines is the latrines can be open through while others come from outside and go	A	
127 Male	years	10 Yes	week	Very Clean	Very Safe	Very Comfortable	time a week.	there.	Private pit latrine	-
128 Female	21-25 years	10 Yes	1 time a month	Dirty	Not Safe	Not Comfortable	The school latrines is not good for used because it is dirty.		Private pit latrine	
No 129 answer	21-25	10 922	1 time a week	el con	Safe	Comfortable	outside to wash your hands when you come	The bad of it is some people do not know the use of the latrines, they talet (toilet) all around the latrines.	Private VIP latrine	All school latrines most de in fals and be wall prottal
129 diswei	years	10 Yes	1 one a week	Cleari	Sale	Connortable	out. The latrines is very clean	around trie latines.	Private viriaunie	proutai
130 Female	21-25 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	because the take good care of it The school beneficial is	The school latrines is	Private VIP latrine	
131 Male	21-25 years	10 Yes	2-3 times a week	Very Clean	Very Safe	Not Comfortable		very clean and safe in the latrines.	Shared pit latrine	
132 Female	21-25 years	10 Yes	1 time a week	Dirty	Not Safe	Not Comfortable	It benefit me any time when I am in school and I want to use the latrine. The school latrines is good because some people live around the campus		Shared VIP latrine	
133 Male	years	10 Yes	1 time a week	Clean	Safe	Comfortable	the latrines.	pupos on the floor.	Private pit latrine	
134 Male	18-20 years	10 No		Very Dirty	No answer	Very Comfortable	comfortable. School latrines can serve	The negative thing about the school latrines is the latrines are general used I simpley saying that people from different communities used the school latrines.  The student can dirty	Outside (Bush)	
135 Male	26-30 years	10 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	the students to not go out of school.	the school latrines all over.	Private pit latrine	
136 Female	26-30 years	10 Yes	1 time a week	Very Clean	Very Safe	Very Uncomfortable	The school latrines in is very good door and unlock.		Private pit latrine	
	21-25		2-3 times a				School latrines can help	The student can dirty		
137 Male	years	10 Yes		Very Clean	No answer	Very Comfortable	the school campus.	the school latrines.	Private pit latrine	
138 Female	21-25 years	10 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	The school latrines is very in paning four people.	The negative of the school latrines are some children pupo.	Private pit latrine	
	18-20		2-3 times a				The school latrines is good because it help us go in toilet when ever we are	There is no constant		
139 Male	years	10 Yes	week	Clean	Safe	Comfortable	The latrines is beneficial to the school students and teachers, also for	deaning.  The negative part about the latrines is around it is busdhes and the grass is almost	Outside (Bush)	
140 Male	years	10 No	No answer	Clean	Safe	Comfortable	visitor.	over taking it.	Outside (Bush)	
141 Female	18-20 years	10 No	No answer	Clean	Safe	Comfortable	The school beneficial to the student and the teacher		Outside (Bush)	
142 Female	21-25 years	10 No	No answer	Clean	Safe	Comfortable	The latrines is not good be the community people I (are) use It and the school use It.	The negative part	No answer	

143 Female	18-20 years	10 No	No answer	Clean	Safe	Comfortable	The school latrines is clean because we clean it every work day.		Other		Private pit latring Shared pit latring
144 Female	18-20 years	10 No	No answer	Clean	Safe	Comfortable	The school latrines is good because is have good care.	The school negative of latrines is no water to wash our hand	Private VIP latrine		
145 Male	21-25 years	10 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	The school latrines is good for some student because they have on (no) latrines at home, so it is very important to them.	The school latrines is very dirty indeed.	Shared VIP latrine	I don't have comments about the VIP latrines because it is only for the	
146 Male	18-20 years	10 Yes	2-3 times a week	Dirty	•	Not Comfortable	The latrines is good	The negative or bad about the school latrines is leaving the pitto talay (toilet?) on the cement in the roudn.	Other	,	Private pit latrin Shared pit latrin
147 Male	12-17 years	10 No	No answer	Dirty	No answer	Not Comfortable	The school latrine are some how good because it help other students on campus to free themselves when ever they want to.		Shared VIP latrine		
148 Male	18-20 years	10 No	No answer	Dirty	Not Safe	Not Comfortable	The school latrines are some how good for the users because some	The worst thing about the latrines are stink they smell very unpleasant, the latrines are by other from outside.	Private pour-flush commode		
149 Male	18-20 years	10 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	to be builded in a very	How people use the latrines is very bad and the way it is build is not very good and nothing to stop the toilets from smelling.	Outside (Bush)	The school VIP latrine is not used by the school mainly, it is used by public mainly so if affect we the students	
150 Male	18-20 years	10 No	1 time a week	: Very Dirty	Very Unsafe	Very Uncomfortable	The school is very dirty beneficial latrines.	The school is wenters becayse well feverure When the school	Shared VIP latrine		
151 Male	21-25 years	10 No	No answer	Clean	Safe	Comfortable		latrine is not restricted, properly dean, any other person from outside of school can use it, and it is very bad.	Other	Yes, I think the school latrines should be in fans (fence) and be locked at all time, and should be restricted by the school administration.	Outside bathroo
152 Female	21-25 years	10 Yes	1 time a week	: Very Dirty	Very Unsafe	Not Comfortable	about your self.	If you enter in the latrines, you can see tollet all around it.	No answer		
153 Male	26-30 years	10 No	Less than once a month	n Dirty	Not Safe	Not Comfortable	I think the school latrines be good care for the students	The bad about the	Other		In bath room
	21-25							school latrines is, that after using the latrines, there is no soap and water to wash our hand and it had no			
154 Female	years 21-25 years	10 Yes	1 time a week 2-3 times a week	C Dirty  Very Clean	Not Safe  Very Safe	Not Comfortable  Very Comfortable	own room.  It help use to defecate in a very clean area.	control The negative comments of the school latrines, it is near the school building and so its inforts the students some time.	Private pit latrine  Private VIP latrine		
156 Female	18-20	10 Yes	1 time a week		Safe	Comfortable	The school latrines are good to use because we clean everyday and after we use the latrines we have water outside of the latrines to wash our	The negative or bad about the school latrines some people use the latrines and life (leave) it dirty the latrines are very dirty because no co care, it	No answer		
	18-20 years	10 No				Not Comfortable	The school latrines good because sometime you may not have long time to run to your house to	The negative part of the school latrines is all about the litter (little)		My comment regarding the school VIP latrines is I will first say to the provide that the latrine is not good but the school VIP latrine to my believe so I saying this to you.	

158 Female	18-20 years	10 Yes	1 time a week	Clean	Safe	Comfortable	The school latrines help us to free ourself any time we want to pupu.	Previde (prevent) our	No answer		
159 Male	18-20 years	10 Yes	2-3 times a week	Very Clean	Safe	Very Comfortable	The school is good because the teacher can be in class on time and the school is in fine.		No answer		
100 (114)	18-20	15 755	WOOK	ra, acan	5574	very common cause	The school latrines important because it help when someon stomach is	The school latrines is bad when it begin to smell and when on	re disect	The VIP latrines is important because is smeal good and so good care is taking it wash	
160 Male	years 21-25	10 No	No answer	Dirty	Not Safe	Not Comfortable	hiting them.  The school latrines is very dirty because people from all over the communities go to the latrines so it	it. The school latrines is very bad and dirty some time we go outside to other	Private VIP latrine	every day.	
161 Male	years	10 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	public latrines.	us their keys.	Private VIP latrine		
162 Male	12-17 years	10 Yes	No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines help us because as anytime you can go in they latrines. The school latrines is not		Private pit latrine		
163 Male	18-20 years	10 No	1 time a week	Very Clean	Very Safe	Very Comfortable	dean and very dirty in the day. The school latrines is not		Private VIP latrine		
164 Male	18-20 years	10 Yes	Every day	Dirty	Not Safe	Not Comfortable	safe because the community member are using it.		No answer		
	18-20						The good thing about the latrines is sometimes it is	dirty and its not safe			
165 Female	years 21-25	10 No	No answer	Dirty	Not Safe	Not Comfortable		The school latrines is bad because the talay (toilet) all over on the	Private pit latrine		
166 Male	years	10 Yes	week	Very Dirty	Very Unsafe	Very Uncomfortable	over.  Atually the school latrines is very, very bad and dirty.	the entrance.	Private pit latrine		
167 Male	12-17 years	10 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	I usually go out to different people latrines. The school is very safe	very bad and dirty, not save	Private pour-flush commode		
ancolonia is	18-20	Victoria	2-3 times a	700 EDQ	not happy		because we have it in fince (fence), every working day we make it dean by trimming the		NOTES NO INCIDENCE OF		
168 Male	years 18-20 years	10 Yes	week  No answer	Very Clean  Very Dirty	Very Safe  Very Safe	Very Comfortable  Not Comfortable	grass.  The school latrines is made in order to help student to put out their waste product.	Our latrines is very	Private pit latrine  Private pit latrine	My comment regarding to this VIP latrine, is I will first say sorry to the provider of this study for what ever he/she may head from this form all we need is development.	
	21-25				•			The latrines is not safe because the school is not in fan (fence) and the latrines is not use by study but	•	•	
170 Male	years	10 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	The school latrines is good because it help me went i	latrines can be bad	Shared pit latrine		
171 Female	18-20 years	10 Yes	1 time a week	Very Clean	Very Safe	Comfortable	want to latrines I go there to used it. The beneficial about the		Private VIP latrine		
172 Male	21-25 years	10 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable		School latrines is unuseful. The school latrines is	Other		Private pit latri Shared pit latri
No 173 answer	No answe r	10 Yes	Every day	Dirty	Very Unsafe	Very Uncomfortable		very bad because no water to whish (wash)	No answer		
	26-30						The school latrines good	The school negative of the latrines is no water in the latrines room to			
174 Female		10 Yes	Every day	Very Clean	Very Safe	Very Comfortable	because a have good care.	wash our hands. Sometime the school	Other		VIP latrine
175 Female	18-20 years	10 Yes	1 time a week	Very Clean	Very Safe	Comfortable	The school latrines help me any time I want to use it.		Other		Private pit latri Private pou-flu commode

176 Female	18-20 years	10 Yes	1 time a week	Very Dirty	Safe	Not Comfortable		If you go use the latrines you will see that the latrines can be very bad.	Private pit latrine	My comments regarding to my school VIP latrines is always the latrines must be clean.	
	No						The school latrines is very	The bad thing about			
No	answe	200	2.2			W 2 3 17			a		Private pit latrir
177 answer	r	10 No answer	1 time a week	Very Clean	Safe	Comfortable	used it. The beneficial of the	washing.	Other		Shared pit latrir
								Nothing is negative or			
82200 i	21-25	2007	Service II	201 172	201 19091		have lock to the door of	bad about my school	con a series o		
178 Male	years	10 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	the latrine.	latrines. What is bad about the	Private pit latrine		
							The school latrines help	school latrines is that I			
	18-20				N 10		me any time I want to use			The school VIP latrines are	
179 Male	years	10 Yes	1 time a week	Clean	Safe	Comfortable	ît.	around it.	Private VIP latrine	very good.	
							The good or beneficial about the school latrines is that, I feels good when I				
180 Male	12-17 years	7 Yes	2-3 times a week	Many Class	Van Cafa	No answer		not bad condition about it.	Private pit latrine	There is no any comment about it.	
TOO IAIGIE	12-17	7 162	week	Very Clean	Very Safe	NO ariswer	myself, it is good. is good to me I go there to		Private pit latine	The VIP latrines is very	
181 Female		7 Yes	1 time a week	Dirty	Not Safe	Not Comfortable	freely my self	can smell	Private pit latrine	beatful and dean	
	40.00							**************************************			n I of the
182 Female	18-20 years	7 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The school is very bad, because no good lession.	The school is bad because no explained	Other	Yes, no good leasion, no good flag puppev.	Bush, Shared VI latrine
TOT TOTAL	Yours	, 100	Every out	Ya y acum	ray saic	very connectable.	because no good ression.	because no explained	ou id	good hag pupper.	Tud II Io
	21-25		2-3 times a				want to latrine we can go to our home, but now we	wash our hand with			Bush, School VI
183 Male	years 19.30	7 Yes	week	Very Clean	Very Safe	Very Comfortable	have our latrine in school.	shop (soap) and water.	Other		Latrine
184 Female	18-20 years	7 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable			Outside (Bush)		
	18-20		2-3 times a							the VIP latrine is very	
185 Female	years 19.30	7 Yes	week	Very Clean	Very Safe	Very Comfortable	Is very good.	Is very clean.	Private pit latrine	good.	
186 Female	18-20 years	7 Yes	2-3 times a week	Very Dirty	Not Safe	Not Comfortable	is good to me I go to freely myself their	the negative because is can smell	Private pit latrine		
100 remaie		7 103	WCCK	varybilly	NOCSAIC	Noccomortable		The school is bad because are (I) can't	Private prevaume		
187 Male	18-20 years	7 Yes	Every day	Very Clean	Not Safe	Not Comfortable	The school is very bed because no good lession.	get more understanding.	Private VIP latrine		
TO INITIE	years	7 165	Every day	very clean	NOC Sale	Not comiortable	because no good ression.	School latrines is good	Private viriatine		
******	18-20	7.00	-				School latrines is good because if you I (are) student use to go in	to be on the campus but we should please try to clean our	0.000	I love VIP latrines because it come we by same	Private pit latri
188 Male	years 18-20	7 Yes	Every day	Very Clean	Very Safe	Very Comfortable	latrines everyday.	latrines.	Other	people in the household.	Shared VIP latr
189 Male	years	7 No	No answer	Clean	Safe	Comfortable	ver <b>y</b> good	yes, very negative The school latrine has	No answer		
	18-20		2-3 times a					the color blue and			
190 Female	years	7 Yes	week	Clean	Very Safe	Comfortable	The school is very clean.	white.	Private pit latrine		
	18-20		1 time a				The school latrines is not good because people come from outside to youir in the latrines so	The school latrines is not good because people come from outside youir in the		The VIP latrine very good	
191 Female	years	7 Yes	month	Dirty	Not Safe	Not Comfortable	that I suggest	latrines	Private pit latrine	to me.	
	12-17						The latrines is good clean comfortable it is good for			The school VIP is clean and safe every staff used the latrines on the	
192 Male	years 18.20	7 Yes	Every day	Clean	Very Safe	Comfortable	using.	The calculation	Private pit latrine	campus.	
193 Male	18-20 years	7 Yes	Every day	Very Clean	Very Safe	Very Comfortable	Our school latrines is very good and clean.	The school latrines is always clean.	No answer		
			2-3 times a	,,			Beneficial or good about	My negative or bad about the school			
194 Male	7-11 years	7 Yes	veek	Very Clean	Very Safe	Very Comfortable	etc.	good care of it and etc.	No answer		
					Access Control (Control		The latrines is clean, safe,				
195 Male	12-17 years	7 Yes	2-3 times a week	Clean	Safe	Comfortable	comfortable it is very good for using.		Private pit latrine		
	7-11						The school latrines is very			The comment of VIP	
196 Male	years	7 Yes	Every day	Clean	Safe	Very Comfortable	safe and good to use.		Private pit latrine	latrines is clean and safe.	
No	No answe		1 time a				The school latrines is not beneficial because it is not				
197 answer	r swe	7 No	month	Very Dirty	Very Unsafe	Very Uncomfortable			Private pit latrine		
	200			,	,						
	12-17						good when you using it and also it smell very	The school latrines is sometime bad when the children use it and it can be very nice and			
	75-71	7 Yes	Every day	Very Clean	Safe	Very Comfortable	good.	very comfortable.	Private pit latrine		
198 Male	years						because the school latrines is very good and	nothing is had from			
198 Male	years				Very Safe	Very Comfortable	dean	the latrines	Private VIP latrine	yes	
198 Male		7 Yes	Every day	Very Clean							
	years 21-25 years	7 Yes	Every day	very clean			I benefit from the latrines because when ever I enter there I feel very comfortable. It is clean	I don't have no		Comments: The school VIP latrines is good. We joyfully go in everyday. We can feel good when ever we enter the latrine	
	years 21-25	7 Yes		Very Clean	Safe	Very Comfortable	because when ever I enter	I don't have no negative part or bad felling about it.	Private pit latrine	VIP latrines is good. We joyfully go in everyday.	

							The school lettle				
201 Male	12-17 years		2-3 times a week	Clean	Safe	Comfortable		Sometime the school latrines is dirty	Private pour-flush commode	yes	
	12-17						The latrines look very				Bush, Shared pit
202 Male	years 12-17	7 No	No answer	Very Clean	Very Safe	Very Comfortable	good and safe for using.	Our school latrine is	Other	(afraid) to used it.	latrine
203 Male	years	7 No	No answer	Very Clean	Not Safe	Not Comfortable		polluted	No answer		
	12-17							The student they can go home before the			
204 Male	years	7 Yes	Every day	Clean	Safe	Comfortable	learn.	time.	No answer		
	12-17		2-3 times a					are (I) see pupu all			
205 Female	years 18-20	7 Yes	week	Very Clean	Very Safe	Very Comfortable	dirty Our school latrines is very	inside the latrines The school latrines is	No answer		Private VIP latrine,
206 Male	years	7 Yes	Every day	Very Clean	Very Safe	Very Comfortable	good and dean.	always dean.	Other		Shared VIP latrine
	18-20						The school latrines are not beneficial because everybody use TWI	the pouch (porch) to pupu. Inside and			
207 Male	years	7 Yes	Every day	Dirty	Not Safe	Not Comfortable	campus for latrines. The school latrines is not	outside bad.	Private VIP latrine		
208 Female	18-20 years 18-20		1 time a week 2-3 times a	Very Clean	Safe	Comfortable	by and secondly the latrines sometime we need to wasking	Sometime latrines be beneficial and good. The latrine can be very good	Shared pit latrine	The VIP latrines is good.	
209 Female	years			Very Clean	Very Safe	Very Comfortable	dean.		Private pit latrine		
	12-17 years	7 Yes	Every day	Very Clean	Very Safe	Very Comfortable		The bad thing about the latrines is this no tissue.	No answer	It is very good because it helping us on campus.	
	18-20				,		I went for the teacher to put people together to dean the latrines. Because dean evernment	The school latrines			
	years		1 time a week	Dirty	Not Safe	Not Comfortable	theatwife.	some bad, some dean	Private pit latrine		
212 Female	18-20 years		2-3 times a week	Very Clean	Very Safe	Very Comfortable	The school latrines is very good.		Private pit latrine	The VIP latrine is good.	
	18-20		2-3 times a				The school is very clean in			The latrines in Aferca is	
213 Female	years	7 Yes	week	Very Clean	Very Safe	Very Comfortable	Aferca.	good.	Private pit latrine	vary good.	
214 Male	12-17 years 21-25	7 Yes	2-3 times a week 1 time a	Dirty	Not Safe	Not Comfortable	toilet on the floor.	Because toilet allways on the floor The school latrines	Other		Private pitlatrine, Shared pitlatrine, Shared pour-flush commode
215 Female				Dirty	Not Safe	Very Comfortable		blue? It is dirty.	Outside (Bush)		
								The bad part about the			
216 Male	12-17 years	7 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The latrine is very good	latrines is that after using the latrines there is no tissue	No answer		
216 Male	years 18-20 years		Every day  1 time a month	Very Clean  Very Dirty	Very Safe Not Safe	Very Comfortable	The latrine is very good because went there is no latrine it will be very bad.	latrines is that after using the latrines there is no tissue The school latrines is not good because people come from outside to uouir in the latrines so that I	No answer  Private pit latrine	The VIP latrines is very good to me.	
217 Female	18-20 years 18-20 years	7 Yes	1 time a month				The latrine is very good because went there is no latrine it will be very bad.  The beneficial it I one to	latrines is that after using the latrines there is no tissue The school latrines is not good because people come from outside to uouir in the latrines so that I	Private pit latrine		
217 Female 218 Female	18-20 years 18-20	7 Yes 7 Yes	1 time a month Every day	Very Dirty	Not Safe Very Safe	Not Comfortable	The latrine is very good because went there is no latrine it will be very bad.  The benefidal it i one to go there and free my self.  The latrines is very clean.  The school very clean	latrines is that after using the latrines there is no tissue The school latrines is not good because people come from outside to uouir in the latrines so that I	Private pit latrine	good to me. The VIP latrines is good.	Private pit latrine,
217 Female 218 Female 219 Female	years 18-20 years 18-20 years 18-20 years	7 Yes 7 Yes 7 Yes	1 time a month Every day	Very Dirty Very Clean Very Clean	Not Safe Very Safe Very Unsafe	Not Comfortable Very Comfortable	The latrine is very good because went there is no latrine it will be very bad.  The benefidal it I one to go there and free my self.  The latrines is very clean. The school very clean is good to me! go to free	latines is that after using the latrines there is no tissue. The school latrines is not good because people come from outside to uour in the latrines so that I suggest.  the negative about it is can smell	Private pit latrine Private pit latrine	good to me. The VIP latrines is good. The VIP latrines is very	Private pit latrine, Private VIP latrine
217 Female 218 Female 219 Female	years 18-20 years 18-20 years 18-20 years 12-17	7 Yes 7 Yes 7 Yes 7 Yes	1 time a month  Every day  Every day  1 time a week	Very Dirty Very Clean Very Clean Dirty	Not Safe Very Safe Very Unsafe	Not Comfortable  Very Comfortable  Very Comfortable	The latrine is very good because went there is no latrine it will be very bad.  The beneficial it I one to go there and free my self.  The latrines is very clean.  The school very clean is good to me I go to free my self.  School latrines is good because it you I (are) student you use to go in a	latines is that after using the latrines there is no tissue. The school latrines is no tissue people come from outside to uouir in the latrines so that I suggest.  the negative about it is can smell. School latrines is good to be on the campus but we should please but we should please.	Private pit latrine Private pit latrine Private pit latrine Other	good to me. The VIP latrines is good. The VIP latrines is very	
217 Female 218 Female 219 Female 220 Female	years  18-20 years 18-20 years 18-20 years 12-17 years	7 Yes 7 Yes 7 Yes 7 Yes 7 Yes 7 Yes	1 time a month  Every day  Every day  1 time a week	Very Dirty Very Clean Very Clean Dirty Very Clean	Not Safe Very Safe Very Unsafe Very Unsafe	Not Comfortable  Very Comfortable  Very Comfortable  Very Uncomfortable	The latrine is very good because went there is no latrine it will be very bad.  The beneficial it I one to go there and free my self.  The latrines is very clean. The school very clean is good to me I go to free my self.  School latrines is good because it you I (are) student you use to go in a latrines every day.  The school latrines has now pup ugent no good setting (stutine) place setting (stutine) place	latines is that after using the latrines there is no tissue. The school latrines is no tissue people come from outside to uouir in the latrines so that I suggest.  the negative about it is can smell. School latrines is good to be on the campus bu we should please try to dean out.	Private pit latrine Private pit latrine Private pit latrine Other	good to me.  The VIP latrines is good.  The VIP latrines is very beatful and dean  I love VIP latrines because it can use by same people	
217 Female 218 Female 219 Female 220 Female 221 Male	years  18-20 years 18-20 years 18-20 years 18-20 years 21-21 years  21-25 years	7 Yes	1 time a month  Every day  Every day  1 time a week	Very Dirty Very Clean Very Clean Dirty Very Clean	Not Safe Very Safe Very Unsafe Very Unsafe Very Safe	Not Comfortable  Very Comfortable  Very Uncomfortable  Very Uncomfortable  Very Comfortable	The latrine is very good because went there is no latrine it will be very bad.  The beneficial it I one to go there and free my self.  The latrines is very clean.  The school very clean is good to me I go to free my self.  School latrines is good because it you I (are) student you use to go in a latrines every day.  The school latrines has now pupu gent no good setting (stiting) place	latines is that after using the latrines there is no tissue. The school latrines is. The school latrines is not sould be used to sould in the latrines so that is suggest.  The school latrines is possible to use in the latrines so that is suggest.  The negative about it is can smell. School latrines is good to be on the campus but we should please try to dean out latrines. Decay to the school latrines is good to be on the campus but we should please try to dean out latrines.  The latrines we use the latrines we use tuttled (tissue?) and	Private pit latrine Private pit latrine Private pit latrine Other Shared VIP latrine	good to me.  The VIP latrines is good.  The VIP latrines is very beatful and clean  I love VIP latrines because it can use by same people in the household.	
217 Female 218 Female 219 Female 220 Female 221 Male	years  18-20 years 18-20 years 18-20 years 18-20 years 21-21 years  21-25 years	7 Yes 7 No answer	1 time a month  Every day  Every day  1 time a week  Levery day  1 time a week	Very Dirty Very Clean Very Clean Dirty Very Clean	Not Safe Very Safe Very Unsafe Very Unsafe Very Safe	Not Comfortable  Very Comfortable  Very Comfortable  Very Uncomfortable  Very Comfortable	The latrine is very good because went there is no latrine it will be very bad.  The beneficial it i one to go there and free my self.  The latrines is very clean. The school very clean is good to me i go to free my self.  School latrines is good because it you I (are) student you use to go in a latrines every day.  The school latrines has now pupu gent no good setting (sitting) place the latrines is very good	latines is that after using the latrines here is no tissue. The school latrines is no tissue people come from outside to uour in the latrines so that I suggest. The school latrines so that I suggest. The negative about it is can smell School latrines is good to be on the campus bu we should please try to dean out latrines. Because the latrines dean no water to wash our hand in the latrines we use	Private pit latrine Private pit latrine Private pit latrine Other Shared VIP latrine	good to me.  The VIP latrines is good.  The VIP latrines is very beatful and dean  I love VIP latrines because it can use by same people	
217 Female 218 Female 219 Female 220 Female 221 Male 222 Male 223 Female	years  18-20 years  18-20 years  18-20 years  12-17 years  12-17 years  18-20 years  18-20 years	7 Yes 7 No answer 7 Yes	1 time a month  Every day  Every day  1 time a week  Every day  1 time a week  Every day  2 time a week	Very Dirty Very Clean Very Clean Dirty Very Clean Dirty Very Dirty Very Dirty	Not Safe  Very Safe  Very Unsafe  Very Safe  Very Safe  Safe  Safe  Very Safe	Not Comfortable Very Comfortable Very Uncomfortable Very Comfortable Very Comfortable Very Comfortable Very Comfortable Very Comfortable	The latrine is very good because went there is no latrine it will be very bad.  The beneficial it i one to go there and free my self.  The latrines is very clean.  The school very clean is good to me i go to free my self.  School latrines is good because it you il (are) student you use to go in a latrines very day.  The school latrines has now pupu gent no good setting (sitting) place  the latrines is very good  In the latrines we have soup (soap) to watch (wash) our hand with	latines is that after using the latrines there is no tissue. The school latrines is no tissue people come from outside to uouir in the latrines so that I suggest.  the negative about it is can smell. School latrines is good to be on the campus bu we should please try to dean out latrines. Because the latrines dean no water to wash our hand in the latrines we use tuitde (tissue?) and soap with water outside of the school latrines inside part is bad. Our school latrines is dean. The school latrines inside part is bad. Our school latrines is very good and have mean things to us in	Private pit latrine Private pit latrine Private pit latrine Other  Shared VIP latrine Private VIP latrine Private pit latrine	The VIP latrines is good.  The VIP latrines is very beatful and dean  I love VIP latrines because it can use by same people in the household.  In the VIP latrines is good.	
217 Female 218 Female 219 Female 220 Female 221 Male 222 Male 223 Female	years  18-20 years 18-20 years 18-20 years 18-20 years  18-20 years  18-20 years  18-20 years	7 Yes 7 No answer 7 Yes	1 time a month  Every day  Every day  1 time a week  Every day  1 time a week  Every day  2 time a week	Very Dirty Very Clean Very Clean Dirty Very Clean Dirty Very Clean Dirty Very Dirty	Not Safe Very Safe Very Unsafe Very Unsafe Very Safe Safe Safe	Not Comfortable  Very Comfortable  Very Uncomfortable  Very Uncomfortable  Very Comfortable  Very Comfortable	The latrine is very good because when there is no latrine it will be very bad.  The beneficial it I one to go there and free my self.  The latrines is very clean.  The school very clean is good to me I go to free my self.  School latrines is good because it you I (are) student you use to go in a latrines every day.  The school latrines has now pupu gent no good setting (sitting) place the latrines is very good.  In the latrines we have soup (asap) to watch (wash) our hand with water.	latines is that after using the latrines here is no tissue. The school latrines is not good because people come from outside to uour in the latrines so that I suggest.  the negative about it is can smell school latrines is good to be on the campus bu we should please try to clean out latrines. Because the latrines dean no water to wash our hand in the latrines is dean. The school latrine is is dean. The school latrine is inside part is bad. Our school latrines inside part is bad.  Our school latrines is very good and have men things to us in the latrines is the school latrine in the latrines were good and have men things to us in the latrines is	Private pit latrine Private pit latrine Private pit latrine Other  Shared VIP latrine Private VIP latrine Private pit latrine	good to me.  The VIP latrines is good.  The VIP latrines is very beatful and dean  I love VIP latrines because it can use by same people in the household.  In the VIP latrines is good.	
217 Female 218 Female 219 Female 220 Female 221 Male 222 Male 223 Female	years  18-20 years 18-20 years 18-20 years 18-20 years  18-20 years  21-25 years  18-20 years  18-20 years	7 Yes 7 No answer 7 Yes	1 time a month  Every day  Every day  1 time a week  Every day  1 time a week  Every day  2 time a week	Very Dirty Very Clean Dirty Very Clean Dirty Very Clean Very Clean Very Clean Very Clean	Not Safe  Very Safe  Very Unsafe  Very Safe  Very Safe  Safe  Safe  Very Safe	Not Comfortable Very Comfortable Very Uncomfortable Very Comfortable Very Comfortable Very Comfortable Very Comfortable Very Comfortable	The latrine is very good because when there is no latrine it will be very bad.  The beneficial it I one to go there and free my self.  The latrines is very clean.  The school very clean is good to me I go to free my self.  School latrines is good because it you I (are) student you use to go in a latrines every day.  The school latrines has now pupu gent no good setting (sitting) place the latrines is very good.  In the latrines we have soup (asap) to watch (wash) our hand with water.	latines is that after using the latrines here is no tissue. The school latrines is no tissue people come from outside to uour in the latrines so that i suggest. The school latrines is not sold the latrines so that i suggest. The latrines is good to the latrines is good to be on the campus but we should please try to clean out latrines in latrines we use tuited (tissue?) and soap with water outside of the school latrines is clean. The school latrines inside part is bad. Our school latrines in latrines we use tuited expensions of the school latrines in the latrines to us in the latrines.	Private pit latrine Private pit latrine Private pit latrine Other Shared VIP latrine Private VIP latrine Private pit latrine Private pit latrine	The VIP latrines is good.  The VIP latrines is very beatful and dean  I love VIP latrines because it can use by same people in the household.  In the VIP latrines is good.	

227 Female	18-20 years	7 Yes	1 time a week	No answer	Very Safe	Very Comfortable		The school latrines is not bad, it is very good.	Private pit latrine	The VIP latrines is very good.
228 Male	12-17 years	7 Yes	2-3 times a week	Very Clean	Safe	Very Comfortable	the school latrines is very good	in the latrines we use tuitde (tissue?) and	Private pit latrine	The VIP latrines is very good and dean.
229 Female	18-20	7 Yes			Safe			in the latrines we use tuitde (tissue?) and		In the VIP latrines is very find (fine)
	12-17		1 time a week	very Dirty	25	Very Comfortable	The school latrines is very	the latrines is safe	Private pit latrine	The VIP latrine is very
230 Female	years 18-20	7 Yes	1 time a week	Very Clean	Safe	Very Comfortable	good and nice. The school latrines is	good and clean	Private pit latrine	dean and good.
231 Female		7 No	No answer	Very Clean	Very Safe	Comfortable	good.	the latrines is good	Private pit latrine	The VIP latrines is good.
	18-20						my school latrines is very dean, my school latrines			
232 Female	years	7 Yes	Every day	Very Clean	Very Safe	Very Comfortable	is very safe.		No answer	
233 Male	12-17 years	7 Yes	2-3 times a month	Very Clean	Very Safe	Very Comfortable	The school latrines is good because it help us when we are about to used it or latrines.	because some student used the poshe (porch)	Private VIP latrine	
234 Male	18-20 years	7 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	The school latrines is not safe because it is full in pupu.	because of pupu is too	Private pit latrine	
235 Male	18-20 years	7 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	time.	The negative is the school latrines is not good because the seat is full with toilet.	Outside (Bush)	
236 Female	18-20 years	7 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The school latrines can be dean every day but there is no tesh (tissue?), so please we lasking the Ministry of Health to use with it.		No answer	
	18-20					.,	The good of the school latrines is because we can		2000 Z1120121	
237 Male	years 12-17	7 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	dean grass around it. The school latrines is very		Private pit latrine	Our VIP bathroom is
238 Female	years	7 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	dean.	always clean.	Outside (Bush)	always clean.
239 Male	18-20 years	7 Yes	2-3 times a month	Very Clean	Very Safe	Very Comfortable	Our school latrines is very dean every day.		Outside (Bush)	Our VIP bathroom is always clean.
240 Male	12-17 years	7 No	No answer	Very Dirty	Very Unsafe	Very Comfortable		Outside of the school latrines is clean. Inside the school latrines is very dirty.	Private pit latrine	
241 Male	21-25 years	8 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The school latrines is good and safe to be use.		Shared pit latrine	
	40.20				Safe		It is very good that every learning institution should have a latrine, it helps the students of that institution to releast (release) themselves, it even help some guests and government official as	The native aspect of the school latrine, is that it is not very dean and also not in a good		
242 Male	18-20 years	8 No	No answer	Clean	Sale	Comfortable	well	and comfortable place	No answer	
		8 No	No answer 2-3 times a week	Clean Very Clean		Comfortable  Very Comfortable	the school latrines is very	the school latrines are very positive	Private VIP latrine	additional your please change all the latrines next year, which is 2015
243 Male	21-25 years	8 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	the school latrines is very dean  No beneficial or good about the school latrines, the school latrines is very	the school latrines are very positive the negative or bad about the school latrines is the school latrines is look very uncomfortable and	Private VIP latrine	change all the latrines next year, which is 2015
243 Male	21-25 years		2-3 times a week		Very Safe		the school latrines is very clean  No beneficial or good about the school latrines, the school latrines is very bad and dirty  The beneficial is that the	the school latrines are very positive the negative or bad about the school latrines is the school latrines is look very uncomfortable and very dirty.		change all the latrines next year, which is 2015 VIP latrine is very bad
243 Male	21-25 years	8 Yes	2-3 times a week	Very Clean  Very Dirty	Very Safe	Very Comfortable	the school latrines is very clean  No beneficial or good about the school latrines, the school latrines is very bad and dirty	the school latrines are very positive the negative or bad about the school latrines is the school latrines is look very uncomfortable and very dirty.  Negative or bad about the school latrines is	Private VIP latrine	change all the latrines next year, which is 2015
243 Male 244 Female	years 21-25 years 12-17 years	8 Yes	2-3 times a week	Very Clean  Very Dirty	Very Safe	Very Comfortable	the school latrines is very clean  No beneficial or good about the school latrines, the school latrines is very bad and dirty.  The beneficial is that the school latrines is exhool dirty and dirty, and bad that no one	the school latrines are very positive the negative or bad about the school latrines is the school latrines is look very uncomfortable and very dirty.  Negative or bad about the school latrines is	Private VIP latrine Shared pit latrine	change all the latrines next year, which is 2015  VIP latrine is very bad  The school VIP latrines is
243 Male 244 Female 245 Male	21-25 years 12-17 years	8 Yes 8 No	2-3 times a week	Very Clean  Very Dirty  Very Dirty	Very Safe  Very Unsafe	Very Comfortable  Very Uncomfortable	the school latrines is very clean  No beneficial or good about the school latrines, the school latrines is very bad and dirty.  The beneficial is that the school latrines is exhool dirty and dirty, and bad that no one	the school latrines are very positive the negative or bad about the school latrines is the school latrines is the school latrines is took very uncomfortable and very dirty.  Negative or bad about the school latrines is the very bad for student, to use it.	Private VIP latrine Shared pit latrine Shared pit latrine	change all the latrines next year, which is 2015  VIP latrine is very bad  The school VIP latrines is very uncomfortable to
242 Male  243 Male  244 Female  245 Male  246 Male	21-25 years 12-17 years 12-17 years 12-17 years	8 Yes 8 No 8 No	2-3 times a week  No answer  1 time a week  2-3 times a	Very Clean  Very Dirty  Very Dirty	Very Safe  Very Unsafe  Not Safe	Very Comfortable  Very Uncomfortable  Very Uncomfortable	the school latrines is very clean  No beneficial or good about the school latrines, the school latrines is very bad and dirty.  The beneficial is that the school latrines is very dirty, and bad that no one can use it.  The beneficial of the school is not good its bad.  The beneficial of the	the school latrines are very positive the negative or bad about the school latrines is took very uncomfortable and very dirty.  Negative or bad about the school latrines is look to the school latrines is the school latrines is very bad for student, to use it.	Private VIP latrine Shared pit latrine Shared pit latrine	change all the latrines next year, which is 2015  VIP latrine is very bad  The school VIP latrines is very uncomfortable to use.  The school VIP latrines is
243 Male 244 Female 245 Male 246 Male	21-25 years 12-17 years 12-17 years 12-17 years	8 Yes 3 No 8 No 8 No	2-3 times a week  No answer  1 time a week  2-3 times a	Very Dirty  Very Dirty  Very Dirty	Very Safe  Very Unsafe  Not Safe  Not Safe	Very Comfortable  Very Uncomfortable  Very Uncomfortable  Not Comfortable	the school latrines is very clean  No beneficial or good about the school latrines, the school latrines is very bad and dirty.  The beneficial is that the school latrines is very dirty, and bad that no one can use it.  The beneficial of the school is not good its bad.  The beneficial of the school latrines can some time help us when we	the school latrines are very positive the negative or bad about the school latrines is took very uncomfortable and very dirty.  Negative or bad about the school latrines is hook learnes is the school latrines is very dirty.  The school latrines is very bad for students, to use it.  The school latrines is not safe because the gate is open and outsider use the	Private VIP latrine  Shared pit latrine  Shared pit latrine  Shared pit latrine	change all the latrines next year, which is 2015  VIP latrine is very bad  The school VIP latrines is very uncomfortable to use.  The school VIP latrines is

249 Female	12-17 years	8 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable		about the school latrines is very bad and dirty.	Shared pit latrine	The VIP latrines is very very bad.	
245 remaie	18-20	8 NO	NO allswei	veryblity	very orisate	very or control table	The school latrines I use	The school latrines is	orial ed pic ladinie	The VIP latrines is very	
250 Female	years	8 Yes	1 time a week	Dirty	Not Safe	Not Comfortable	sick.	very bad.	Shared pit latrine	dirty.	
251 Male	18-20 years	8 Yes	2-3 times a week	Clean	Safe	Not Comfortable	The good about the school latrines is on time for using.	The negative about the school latrines is can not be prepard every day.	Private pit latrine		
	18-20	52407635	- A - C - C - C - C - C - C - C - C - C		354005			The school latrines is very bad because		The VIP latrines is very	
252 Female	years	8 Yes	No answer	Very Dirty	Not Safe	Not Comfortable	bad.	inside is very bad.	Shared pit latrine	dirty.	
253 Male	12-17 years	8 No	1 time a week	Many Diety	Not Safe	Not Comfortable	beneficial of the school	The school latrine is very bad to the school because inside is dirty.	Sharad alt latring	School VIP latrines is very uncomfortable.	
233 IVIAIR	years	8 NO	1 une a week	very Dirty	NOL Sale	Not comfortable		because inside is dirty.	Snared pit ladine	The VIP latrines is not	
254 Male	18-20 years	8 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The school latrines is comfortable because the school latrines is very dean in Liberia.	The school latrines bad because 1, no lock on door	Shared pit latrine	good because a very bad everybody dirty it so we not have good VIP room in Liberia.	0000
255 Male	18-20 years	8 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable	Beneficial good about the school latrines help us but It is very bad.	The latrines is small very bad.	Private pit latrine	No comment the school VIP latrines is saved	
256 Male	18-20 years	8 No	No answer	Very Clean	Very Safe	Very Comfortable	My school latrines is very clean and very comfortable that what! love on the school.	The school latrines very good and clean.	Private VIP latrine	We are appealling to you that you people should please reconstruct our VIP latrines.	
	12-17						The beneficiation of school latrines is it help us to relessed (release) our			.30 11000	Outside (Bush),
257 Male	years	8 Yes	1 time a week	Very Dirty	Very Unsafe	Not Comfortable	self.	The negative or ben	Other		Private pit latri
258 Female	18-20 years	8 No	1 time a week	Very Dirty	Not Safe	Not Comfortable	The please (place) is dirty.	able the lain is not	Outside (Bush)	School Pnicitra	
	12-17	A/6:10-9					Beneficial good about the school latrines help us but			No comment the school	
259 Male	years	8 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable	it is very dirty.	bad. The negative or bad	Private pit latrine	VIP latrines is saved	
260 Male	18-20 years	8 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable	We benefit from the latrines because the latrines some times help us when we went to poopoo.	about the latrines is that the latrines is not totally save the latrines smell very bad, also zinc is old.	Outside (Bush)	No comment the school VIP latrines is saved	
	18-20						The school latrines is very dirty and very	The school latrines is very pollute and also so so poopoo all		We are appealling to you that you people should please reconstruct our VIP	
261 Male	years	8 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	uncomfortable.	around the latrines.	Outside (Bush)	latrines.	
262 Male	12-17 years	8 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	The school latrines is very uncomfortable.	The school latrines inside I very bad and it not good for us and so so pupu all around it.	Outside (Bush)	We are appealling to you that you people should please reconstruct our VIP latrines.	
263 Male	21-25 years	8 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The school latrines are very clean.		Private VIP latrine	additional your please change all the latrines next year, which is 2015	
	21-25	Shaw	6277	we seed	No. 100 at	w 10 × 101	The school latrines very dirty, because the elementary poopoo around it that is why we		5 NO. 10 NO.	We are appealling to you that you people should please reconstruct our VIP	
264 Male	years 18-20	8 No	No answer 2-3 times a	Very Dirty	Very Unsafe	Very Uncomfortable	The school latrines is very	poopoo The school is are	Outside (Bush)	latrines.  Additional you please change all the latrines	
265 Female	years	8 Yes	week	Very Clean	Very Safe	Very Comfortable	dean.	positive.	Private VIP latrine	next year  My comments is regarding	
editations of the Control of the Con	12-17	v-10000000		Transferroccino onici			The only beneficial is that the school latrines is pint	you can develop		to the school and the government to please try to make our latrines very clean and save for the	
266 Female	years 12-17	8 No	No answer	Very Dirty	very Unsafe	Very Uncomfortable	weil.	disease from it.  No good care taking, around the latrines is very dirty some students misused the	Private pit latrine	students.	
267 Male	years	8 Yes		Very Dirty	Not Safe	Very Uncomfortable		latrines.	Shared pit latrine		
							about this is that its help	The negative or bad about the school latrines is that there is			
268 Male	18-20 years	8 No	No answer	Clean	Safe	Comfortable		no lock on the door that is the bad side.	Private pit latrine		
No	18-20	1272		100 02000			The latrines are some time you go in the you ham some pupu parpur in		200		Outside (Bush) Private pit latr
269 answer	years 18-20	8 Yes	1 time a week		Very Unsafe	Very Uncomfortable	tne it is not fam.	necties to be describe.			Private VIP late
270 Male	years	8 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable			No answer		

							The beneficial or good			
								The negative is that no		
							help student tolher	key and lock to the door and bad is no plut		
	21-25		2-3 times a					on baker in therefor		
271 Male	years	8 Yes	week	Clean	Safe	Comfortable	from their friends		Shared VIP latrine	yes, safe
								The school is very dirty because after using the		The school VIP latrines is
								latrines we done		very bad so you have to
								(don't) have such as		select someone who will
272 5	18-20	0.11	127	61.4	371 177 8	37 37 6 3 57	The school latrines is very		0.111.10.11	take care of the VIP
272 Female	years	8 Yes	No answer	Dirty	Very Unsate	Very Uncomfortable	dirty for us to use it.	sponch.	Outside (Bush)	latrines. The school latrines is not
							The school latrines is very			good at all it need to be
	12-17							The school latrines is		dean so that we can't be
273 Female	years	8 No	No answer	Dirty	Very Unsafe	Very Uncomfortable	our health.	very dirty.	Shared pit latrine	sick.
							Our school latrines is	Yes, my school latrines		Yes, this latrines is addition comment
	18-20						dean around but the	is good but the inside		regarding by the school
274 Male	years	8 No	No answer	Clean	Safe	Very Comfortable			No answer	artorative (authority?)
	18-20						The beneficial about school latrines is very	The school latrines is very good because we		
275 Male	years	8 No	No answer	Very Clean	Very Safe	Comfortable			Shared pit latrine	
L/D Wide	Joans.	0.110	TTO GITOTO	rony croam	rai y care	comorcano	Book and a contr	400414	or lar out procedure	
										What I just want to say, is
										that the school VIP latrine
										should be very clean for good health. If not them I
							The school latrines is not	The school latrines is		don't think that we will
							beneficial because it is	very bad, because it is		get good health, but if a
276 64 1	18-20	DN	N.	Many Divi	17 m. 17	W-10 6.3.55		not dean of me, that is	0.14-10.13	dean, them we will get
276 Male	years	8 No	No answer	Very Dirty	very Unsate	very uncomfortable	me, that is the reason.	the reason.	Outside (Bush)	good health.
							The school latrines is not			What I want to say, it that
								The school latrines is		I want the school VIP
	18-20						very uncomfortable and other people from outside	verybad because people use the school		latrines to be very dean and let us have good
277 Male	years	8 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable			Private pit latrine	health area.
	12-17						The beneficial about the school latrines is very	The school latrine is		
278 Male	years	8 No	No answer	Very Clean	Very Safe	Very Comfortable	good, so we used it.		Shared pit latrine	yes
E70 Wide	yours	0110	140 0/134001	Yory Clour	Y CI Y SUIC	very connectable	Bood, so we does to	The latrines is also way	Silar ca piciaariic	100
							It is good becase if you	dirty, because all the		
	18-20							community people use		The school VIP latrines is
279 Female	years	8 No	No answer	Very Dirty	Very Unsate	Very Uncomfortable	you use it	it. The school latrines is	Outside (Bush)	bad.
							The beneficial about the	good because every		
	18-20							day we the student		
280 Male	years 21-25	8 No	No answer 1 time a	Very Clean	Safe	Not Comfortable	can clean it everyday.	can dean it	Shared pit latrine	
281 Female		8 No		Very Dirty	Very Unsafe	Very Uncomfortable			No answer	
							The echool latrines is not	The echael latrines is		What I just want to say
							The school latrines is not beneficial because it is			about the VIP latrines
	21-25						beneficial because it is	very bad because it is not dean to me that is		
282 Female		8 No	No answer	Dirty	Very Unsafe	<b>Very</b> Uncomfortable	beneficial because it is	very bad because it is not clean to me that is the reason.	Outside (Bush)	about the VIP latrines should clean because if
282 Female		8 No	No answer	Dirty	Very Unsafe	Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.	very bad because it is not clean to me that is the reason. The school latrines on	Outside (Bush)	about the VIP latrines should clean because if the latrine is not clean we
282 Female	years	8 No	No answer	Dirty	Very Unsafe	Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is	very bad because it is not clean to me that is the reason. The school latrines on the cement is nasty on	Outside (Bush)	about the WP latrines should clean because if the latrine is not clean we will not get good health.
282 Female	years 26-30	8 No	No answer		Very Unsafe  Not Safe	Very Uncomfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.	very bad because it is not clean to me that is the reason. The school latrines on the cement is nasty on the seet (seat) is nasty	Outside (Bush) Private pit latrine	about the VIP latrines should clean because if the latrine is not clean we
	years 26-30						beneficial because it is very uncomfortable for me that is the reason. The school latrines is because a have cement in it.	very bad because it is not clean to me that is the reason. The school latrines on the cement is nasty on the seet (seat) is nasty too.		about the VIP latrines should dean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we
	years 26-30 years						beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.	very bad because it is not clean to me that is the reason. The school latrines on the cement is nasty on the seet (seat) is nasty too.		about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the
283 Female	26-30 years	8 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to	very bad because it is not clean to me that is the reason. The school latrines on the cement is nasty on the seet (seat) is nasty too. It is bad because in and around the	Private pit latrine	about the VIP latrines should dean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty. The comment that we have partineing about the school VIP latrines is very
	years 26-30 years		1 time a week				beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.	very bad because it is not clean to me that is the reason. The school latrines on the cement is nasty on the seet (seat) is nasty too. It is bad because in and around the		about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the
283 Female 284 Male	26-30 years 12-17 years	8 Yes 8 No	1 time a week	Very Dirty Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment	Private pit latrine Outside (Bush)	about the VIP latrines should dean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partineing about the school VIP latrines is very bad.
283 Female	26-30 years 12-17 years	8 Yes	1 time a week	Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use at a period of baad	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment	Private pit latrine	about the VIP latrines should dean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty. The comment that we have partineing about the school VIP latrines is very
283 Female 284 Male	26-30 years 12-17 years	8 Yes 8 No	1 time a week	Very Dirty Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment	Private pit latrine Outside (Bush)	about the VIP latrines should dean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partineing about the school VIP latrines is very bad.
283 Female 284 Male	26-30 years 12-17 years	8 Yes 8 No	1 time a week	Very Dirty Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use a period of bead.  The school tollet	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment	Private pit latrine Outside (Bush)	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.
283 Female 284 Male	26-30 years 12-17 years	8 Yes 8 No	1 time a week	Very Dirty Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of baad. The school tollet sometime help us because it is here with us, if you want to tollet you.	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad	Private pit latrine Outside (Bush)	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partineing about the school VIP latrines is very bad.  VIP is very good.
283 Female 284 Male	years 26-30 years 12-17 years 12-17 years	8 Yes 8 No	1 time a week  No answer  No answer	Very Dirty Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of baad. The school toilet sometime help us because it is here with us, if you want to brillet you are not force but you	very bad because it is not dean to me that is the reason. The school latrines on the cements nasty on the sect (seat) is nesty too.  It is bad because in and around the environment  It is good and bad  The bad things about	Private pit latrine Outside (Bush)	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such
283 Female 284 Male	26-30 years 12-17 years	8 Yes 8 No	1 time a week	Very Dirty Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of baad. The school tollet sometime help us because it is here with us, if you want to tollet you.	very bad because it is not dean to me that is the reason. The school latrines on the cements nasty on the sect (seat) is nesty too.  It is bad because in and around the environment  It is good and bad  The bad things about	Private pit latrine  Outside (Bush)  Shared pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partineing about the school VIP latrines is very bad.  VIP is very good.
283 Female  284 Male  285 Female	years 26-30 years 12-17 years 12-17 years 18-20	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a	Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of bead. The school tollet sometime help us because it is here with us, if you want to tollet you are not force but you compare. It is not safe at	very bad because It is not dean to me that is the reason. The school latrines on the cement is nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad  The bad things about tolelt is no good are, the toilet is very dirty. The school latrines is	Private pit latrine  Outside (Bush)  Shared pit latrine	about the VIP latrines should dean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty. The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school
283 Female  284 Male  285 Female	years 26-30 years 12-17 years 12-17 years 18-20	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a	Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of the.  It is good and help us to use at a period of baar!  The school tollet sometime help us because it is here with us, if you want to toilet you are not force but you compare. It is not safe at all.	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad  The bad things about to lelt is no good acre, the toillet is very dirty. The school latrines is look very bad and it	Private pit latrine  Outside (Bush)  Shared pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partineing about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.
283 Female  284 Male  285 Female	years 26-30 years 12-17 years 12-17 years 18-20	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a	Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of bad.  The school tollet sometime help us to accept the school tollet sometime help us care not force because it is here with us, if you want to tollet you compare. It is not safe at all.	very bad because It is not dean to me that is the reason. The school latrines on the sent is nestly on the seet (seat) is nestly on the seet (seat) is nestly on.  It is bad because in and around the environment.  It is good and bad  The bad things about tolel it is no good acre, the tollet is very dirty. The school latrines is look very bad and It also smelling that is	Private pit latrine  Outside (Bush)  Shared pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school
283 Female  284 Male  285 Female	years 26-30 years 12-17 years 12-17 years 18-20	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a	Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of the.  It is good and help us to use at a period of baar!  The school tollet sometime help us because it is here with us, if you want to toilet you are not force but you compare. It is not safe at all.	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad  The bad things about to lelt is no good acre, the toillet is very dirty. The school latrines is look very bad and it	Private pit latrine  Outside (Bush)  Shared pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partineing about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.
283 Female  284 Male  285 Female	years  26-30 years  12-17 years  12-17 years  18-20 years	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a	Very Dirty  Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of baad. The school tollet sometime help us because it is here with us, if you want to hollet you are not force but you compare, it is not safe at all.  The school latrine is not well protected annot from the protected and it.	very bad because It is not dean to me that is the reason. The school latrines on the seet (seat) is nasty too. It is bad because in and around the environment  It is good and bad  The bad things about tolelt is no good acre, the toilet is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school	Private pit latrine  Outside (Bush)  Shared pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partineing about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.
283 Female  284 Male  285 Female	years  26-30 years  12-17 years  12-17 years  18-20 years	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a week	Very Dirty  Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of baad. The school tollet sometime help us because it is here with us, if you want to hollet you are not force but you compare, it is not safe at all.  The school latrine is not well protected annot from the protected and it.	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad  The bad things about tolelt is no good acre, the tollet is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrine.	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty. The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school tollet to be dean.  Yes because the school latrine is not protected so any additional VIP can use
283 Female  284 Male  285 Female	years  26-30 years  12-17 years  12-17 years  18-20 years	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a week	Very Dirty  Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of bad.  The school toilet sometime help us because it is here with us, if you want to toilet you compare. It is not safe at all.  The school latrine is not well protected and it is not well protected and it is not well protected and it is not dean because any body can use it.	very bad because It is not dean to me that is the reason. The school latrines on the seet (seat) is nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad  The bad things about tolel its no good acre, the toilet is very dirty. The school latrines is look very bad and it alos smelling that is the negative I have about the school latrine.  The school latrines is	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty. The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.
283 Female  284 Male  285 Female	years  26-30 years  12-17 years  12-17 years  18-20 years	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a week	Very Dirty  Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of bad.  The school toilet sometime help us because it is here with us, if you want to toilet you compare. It is not safe at all.  The school latrine is not well protected and it is not well protected and it is not well protected and it is not dean because any body can use it.	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) Is nasty too.  It is bad because in and around the environment.  The bad things about tolelt is no good acre, the tollet is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrine. In the school latrine.	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty. The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school tollet to be dean.  Yes because the school latrine is not protected so any additional VIP can use
283 Female  284 Male  285 Female  286 Male	years  26-30 years  12-17 years  18-20 years  12-17 years	8 No 8 No 8 No 8 Yes	1 time a week  No answer  No answer  2-3 times a week	Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of band in the properties of the school lotter sometime help us because it is here with us, if you want to tollet you are not force but you compare. It is not safe at all.  The school latrine is not well protected annd it is not dean because any body can use it.  The school latrine is very bad and not safe to be	very bad because It is not dean to me that is the reason. The school latrines on the cement is nesty on the seet (seat) is nasty too.  It is bad because in and around the environment  The bad things about tolel't is ogod and bad  The bad things about tolel't is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrine. The school latrines is look very bad and it also smelling that is beneficial I have about beneficial I have about beneficial I have about beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about beneficial I have about beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling the school latrines is look very bad and i	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty. The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.
283 Female  284 Male  285 Female	years  26-30 years  12-17 years  18-20 years  12-17 years	8 Yes 8 No 8 No	1 time a week  No answer  No answer  2-3 times a week	Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of band in the properties of the school lotter sometime help us because it is here with us, if you want to tollet you are not force but you compare. It is not safe at all.  The school latrine is not well protected annd it is not dean because any body can use it.  The school latrine is very bad and not safe to be	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  The bad things about tolel't is no good acre, the tollet is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrine. The school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look promised that is the school latrines is look promised that is the promised that is somelling that is beneficial I have about the school latrines is look promised that is the school latrines is look promised that is the promised that it is the promised that is the promised that it is	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not dean we will not get good health.  The VIP latrines is very dirty. The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school tollet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.
283 Female  284 Male  285 Female  286 Male	years  26-30 years  12-17 years  18-20 years  12-17 years	8 No 8 No 8 No 8 Yes	1 time a week  No answer  No answer  2-3 times a week	Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of baad.  The school lollet sometime help us eat a period of baad.  The school tollet sometime help us to use it at a period of baad.  The school rollet is here with us, if you want to tollet you compare. It is not safe at all.  The school latrine is not well protected and it is not dean because any body can use it.  The school latrines is very bad and not safe to be used.	very bad because It is not dean to me that is the reason. The school latrines on the cement is nesty on the seet (seat) is nasty too.  It is bad because in and around the environment  The bad things about tolel't is ogod and bad  The bad things about tolel't is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrine. The school latrines is look very bad and it also smelling that is beneficial I have about beneficial I have about beneficial I have about beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about beneficial I have about beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines is look very bad and it also smelling the school latrines is look very bad and i	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.
283 Female  284 Male  285 Female  286 Male	years  26-30 years  12-17 years  18-20 years  12-17 years	8 No 8 No 8 No 8 Yes	1 time a week  No answer  No answer  2-3 times a week	Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of band in the properties of the school lotter sometime help us because it is here with us, if you want to tollet you are not force but you compare. It is not safe at all.  The school latrine is not well protected annd it is not dean because any body can use it.  The school latrine is very bad and not safe to be	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) Is nasty too.  It is bad because in and around the environment.  The bad things about tolelt is no good acre, the tollet is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrine. In some life in the very bad and it also smelling that is the negative I have about the school latrines.	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.
283 Female  284 Male  285 Female  286 Male	years  26-30 years  12-17 years  18-20 years  12-17 years	8 No 8 No 8 No 8 Yes	1 time a week  No answer  No answer  2-3 times a week  1 time a week	Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of band the school latrine is because it is here with us, if you want to tollet sometime help us because it is here with us, if you want to tollet you are not force but you compare. It is not safe at all.  The school latrine is not well protected annd it is not dean because any body can use it.  The school latrines is very bad and not safe to be used.  The school tollet same the purpose it is not well protected annowed in the school tollet same the purpose is the purpose in the school tollet same the purpose is the purpose it is here with us when you	very bad because It is not dean to me that is the reason. The school latrines on the cements rasty on the seet (seat) is nasty too.  It is bad because in and around the environment  The bad things about tolel't is good and bad  The bad things about tolel't is no good acre, the tollet is very dirty. The school latrines is look very bad and it also smelling that is beneficial I have about the school latrines.  Bad thing about the our school latrines.	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.
283 Female  284 Male  285 Female  286 Male  287 Male	years  26-30 years  12-17 years  18-20 years  12-17 years  12-17 years  21-25	8 Yes 8 Yes 8 Yes	1 time a week  No answer  No answer  2-3 times a week  1 time a week  2-3 times a	Very Dirty  Very Dirty  Very Dirty  Very Dirty  Very Dirty	Not Safe  Not Safe  Very Unsafe  Very Unsafe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of time.  It is good and help us to use it at a period of baad. The school tollet sometime help us because it is here with us, if you want to toilet you are not force but you compare. It is not safe at all.  The school latrine is not well protected annd it is not dean because any body can use it.  The school latrines is very bad and not safe to be used.  The school toilet same time help us because it is here with us when you want to toilet you and not	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad  The bad things about tolelt is no good acre, the tollet is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines.  Bad thing about the our school latrines is no good care, so it is set the school latrines is no good care, and the school latrines is no good care, so it is no good c	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine  Private VIP latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty.  The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.
283 Female  284 Male  285 Female  286 Male  287 Male	years  26-30 years  12-17 years  18-20 years  12-17 years	8 No 8 No 8 No 8 Yes	1 time a week  No answer  No answer  2-3 times a week  1 time a week  2-3 times a	Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	beneficial because it is very uncomfortable for me that is the reason.  The school latrines is because a have cement in it.  It is good and it help us to use it at a period of time.  It is good and help us to use it at a period of band the school latrine is because it is here with us, if you want to tollet sometime help us because it is here with us, if you want to tollet you are not force but you compare. It is not safe at all.  The school latrine is not well protected annd it is not dean because any body can use it.  The school latrines is very bad and not safe to be used.  The school tollet same the purpose it is not well protected annowed in the school tollet same the purpose is the purpose in the school tollet same the purpose is the purpose it is here with us when you	very bad because It is not dean to me that is the reason. The school latrines on the cements nasty on the seet (seat) is nasty too.  It is bad because in and around the environment  It is good and bad  The bad things about tolelt is no good acre, the tollet is very dirty. The school latrines is look very bad and it also smelling that is the negative I have about the school latrines is look very bad and it also smelling that is beneficial I have about the school latrines.  Bad thing about the our school latrines is no good care, so it is set the school latrines is no good care, and the school latrines is no good care, so it is no good c	Private pit latrine  Outside (Bush)  Shared pit latrine  Private pit latrine	about the VIP latrines should clean because if the latrine is not clean we will not get good health.  The VIP latrines is very dirty. The comment that we have partnering about the school VIP latrines is very bad.  VIP is very good.  The additional regarding for the school VIP latrines, we need protection, such as good care, for school toilet to be clean.  Yes because the school latrine is not protected so any additional VIP can use it.

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No 290 answer	18-20 years		2-3 times a week	Very Dirty	Not Safe		The school toilet sometime help us because it is here with us so u went to toielt bo you not force but bay		Private pit latrine		
291 Female	18-20						The beneficial of the school latrines is the zinc	The school latrines is very bad and make you sick and some time you can develop bad disease from it.	Private pour-flush commode	My additional comments regarding to the school principle and the government to please help us to clean our latrines.	
202 Famala	18-20		2-3 times a	V Dist	N-LC-f-		I need your help for your latrines because any time latrines can come to you, so a not good to keep	your latrines room dirty but our school	Charada Malauria		
292 Female No 293 answer	18-20 years		week  1 time a week		Not Safe		The school latrines is very bad so please try to help	latrines is very dirty.	Shared pit latrine  No answer	We want for the government to, please try her posible baggr to help our school.	
	18-20		2-3 times a			77 2595		I need your help for you latrines because any time latrines can come to you so a not good to keep latrines		Out 30 1001.	
294 Female	years	8 Yes	week	Very Dirty	Not Safe	Not Comfortable		on your.	No answer		ñ
295 Female	18-20 years	8 Yes	2-3 times a week	Very Dirty	Not Safe		The school toilet sometime help us because it is here with us you want to toilet so you are not force but you		Private pit latrine		
205 5	12-17	0.11	200		11 1817		The school latrines is very	very bad so please			
296 Female	12-17		1 time a week		Very Safe		The beneficial or good about the school latrines is - it has paint and it help	dirty and it can make	No answer		
297 Female	years	8 No	1 time a week	very Dirty	Not Safe	Not Comfortable			Outside (Bush)		
298 Male	21-25 years		2-3 times a week	Clean	Safe		The school latrines is very	taking care of it, so	Shared VIP latrine		
	21-25										Ī
299 Female	years	8 Yes	Every day	Very Clean	Very Safe	Very Comfortable	02 80 No.		Shared pit latrine		
300 Male	21-25 years	8 Yes	Every day	Very Clean	Very Safe		The school latrine is not bad, but we have to work on it because around the latrines is bush.		Shared pit latrine	VIP latrines is the latrine that in good condition.	
301 Male	18-20						The morning student are making the latrines to be			In this school, the VIP latrines is at least better than the student latrines, because some student are not united, leaven the hold (hole) and shiting on the flow (floor) is very, very bad, so this is my	
	years		2-3 times a week	Clean	Not Safe		hold (hole) and toilet on	because sometime there is where sickness	Other	comment that I have to say, concerning the latrines issue. Thank you very much.	Private pit latrine, Shared pit latrine, Shared VIP latrine
	years			Clean	Not Safe		hold (hole) and toilet on flow (floor)	because sometime there is where sickness	Other	say, concerning the latrines issue. Thank you	Shared pit latrine,
302 Male	years 18-20 years	8 Yes		000000	Not Safe Very Safe	Very Uncomfortable	hold (hole) and toilet on flow (floor)  The good I knew about the school latrines is that	because sometime there is where sickness can be found.  Negative of the school latrines is that the children have habit to do the wesh (waste) product on the flow	Other  Private VIP latrine	say, concerning the latrines issue. Thank you	Shared pit latrine,
302 Male 303 Male	18-20	8 Yes	2-3 times a week	000000		Very Uncomfortable  Very Comfortable	hold (hole) and toilet on flow (floor)  The good I knew about the school latrines is that the security guide and protect it.  The school latrines Is very	because sometime there is where sickness can be found.  Negative of the school lainines is that the children have habit to do the wesh (waste) product on the flow (floor)		say, concerning the latrines issue. Thank you	Shared pit latrine,
303 Male	18-20 years 26-30 years	8 Yes	2-3 times a week 2-3 times a month:	Very Clean Clean	Very Safe Safe	Very Uncomfortable  Very Comfortable  Very Comfortable	hold (hole) and toilet on flow (floor)  The good I knew about the school latrines is that the security guide and protect it.  The school latrines is very good children used the latrines outs d people  The school latrines is very good and outside people.	because sometime there is where sickness can be found.  Negative of the school latrines is that the children have habit to do the wesh (waste) product on the flow (filoor)  The school latrines very because the children have habit  The school latrines very bed because the children have hibit to do the west product on the flow filoren was the children have hibit to do the west product	Private VIP latrine Shared pit latrine	say, concerning the latrines issue. Thank you	Shared pit latrine,
	18-20 years 26-30 years	8 Yes 8 Yes 8 Yes	veek  2-3 times a week  2-3 times a month  2-3 times a month	Very Clean Clean Clean	Very Safe	Very Uncomfortable  Very Comfortable  Very Comfortable	hold (hole) and toilet on flow (floor)  The good I knew about the school latrines is that the security guide and protectit.  The school latrines is very good children used the latrines outs dependent the school latrines is very good and outside people, children used the latrines	because sometime there is where sickness can be found.  Negative of the school latrines is that the children have habit to do the wesh (waste) product on the flow (floor)  The school latrines very because the children have habit  The school latrines very because the children have habit  I will used this because the children have hib to do the weast product on the flow (floor)  I will used this because the nagative or bad about our surrounding in the school is not too	Private VIP latrine	say, concerning the latrines issue. Thank you	Shared pit latrine,
303 Male	18-20 years 26-30 years 12-17 years	8 Yes 8 Yes 8 Yes 8 Yes	veek  2-3 times a week  2-3 times a month  2-3 times a month	Very Clean  Clean  Clean	Very Safe Safe Safe	Very Uncomfortable  Very Comfortable  Very Comfortable  Very Comfortable	hold (hole) and tollet on flow (floor)  The good I knew about the school latrines is that the security guide and protectit.  The school latrines is very good and justified and good children used the latrines outside people, children used the latrines outside people, children used the latrines in the school latrines is very good and outside people, children used the latrines.  I like to go in the school latrines with me and when is clean than is very good to us.  The school latrines not comfortable reason been all the community people used it more them (than)	because sometime there is where sickness can be found.  Negative of the school latrines is that the children have habit to do the wesh (waste) product on the flow (floor)  The school latrines very because the children have habit  The school latrines very bad because the children have hibit to do the west product on the flow (floor)  I will used this because the negative or bad about our surrounding in the school is not too badles.  The school latrines bad because 1 no lake	Private VIP latrine Shared pit latrine Private pit latrine	say, concerning the latrines issue. Thank you very much.  My reason for which I did not like to used the VIP latrines is that when other people used it badly and when is very bad than your stroughling not	Shared pit latrine,

								The bad thing about the school latrines is			
2075	18-20	0.7	2-3 times a	ii 2	W 6.5	N 76 7 111		around the school	a		
307 Female	years No answe	8 Yes	week	Very Clean	Very Safe	Very Comfortable	clean all the time	The latrines that in the	Private VIP latrine		
308 Male	r	8 No	No answer	No answer	Very Unsafe	Not Comfortable		school very	No answer		
	21-25	22.0	a.				The school latrines is not good for us, so we can use	not dean for me, that		The school VIP latrines is notgood, so I want you people to help and give	
309 Female	years	8 No	No answer	Very Dirty	Not Safe	No answer	it.	is the reason. The negative or bad is	Outside (Bush)	good latrines.	
No	26-30		2-3 times a					the children are latrining on the			
310 answer	years	8 Yes	week	Very Dirty	Not Safe	Very Uncomfortable	the latrines.	ground.	No answer		
311 Male	12-17 years	8 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	to release themselves.	The latrines is very dirty that is not good for human health.	Private pit latrine	Yes, the VIP latrines is very desence (decent) and very dean. It provide good health in the community.	
312 Female	18-20 years	11 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The beneficial or good about the school latrines is that student do not go out to look for latrines to use.	The negative part about the school latrines is it lack soap and tissue.	Other	The school VIP latrine is very good and safe, there is no comment about the school VIP latrine.	Private pit latrin Shared pit latrin
313 Female	18-20 years	11 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The beneficial or good about the school latrines is because when we are in school the school latrines help us.	about the school	Other	There is no comment about the school VIP latrines because its away lock and safe for VIP use.	
	21-25						is that student do not go out to look for latrines to			The school VIP latrine is very good and safe, there is no comment about the	
314 Female	years	11 Yes	No answer	Very Clean	No answer	Very Comfortable	use.	and tissue.	Private pit latrine	school VIP latrine.	
315 Male	18-20 years	11 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The good thing about the school latrines is clean everyday and I go there to free myself good.	the school latrines is	Shared pour-flush commode		
316 Male	21-25 years	11 Yes	1 time a	Dirty	Not Safe	Not Comfortable	What is good about our latrines is that a school should have latrines and we use it some time.	What is bad about our school latrines is no commode, no where to wash hands, no tissue to use.	Private pour-flush commode	The school need more latrines and someone to take good care of it.	
317 Female	18-20	11 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The beneficial or good about the school latrines is that student do not go out to look for latrines to use.	There is no water, no tissue and soap.	Other	The school VIP latrine is very good and safe, there is no comment about the school VIP latrine.	Private pit latrin
318 Female	18-20	11 Yes	2-3 times a	Clean	Very Safe	Comfortable	The beneficial of the	The negative or bad about the latrines is, if someone go there,	Private pit latrine	The VIP latrines is OK because is control by the health worker who in the school.	sharea prenaum
319 Male	18-20 years	11 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The beneficial or good about the school latins is that it helps student from getting sick, because the latines is very comfortable, and help student when ever they want to go in the latrines, they are free.	and the good part of the latrines is that after using the latrines,			Private pour-flu commode, Share latrine
320 Female	18-20 years	11 No	2-3 times a month	Clean	Safe	Comfortable	The school latrines is not good because there no good care for it.	The school latrines is no good for students.	Other		Private pit latrin Shared pit latrin
321 Female	18-20 years	11 Yes	1 time a weel	c Very Clean	Very Safe	Very Comfortable	The beneficial or good about the school latrines is that it help student to go out the school.	The negative or bad about the school latrines are is that the latrines is not fans.	Private pour-flush commode		
322 Female	18-20 years	11 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The beneficial or good about the school latrines is that student do not go out to look for latrines to use.	about school latrines is	Other	The school VIP latrines is very good and safe, there is no comment about the school VIP.	Private pit latrin Shared pit latrin
	18-20 years	11 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The beneficial or good about the school latrines is that student do not go out to look for latrines to use.	The negative or bad about the school latrines is it lack of soap and tissue.	Other	The school VIP latrines is very good and safe, there is no comment about the school VIP.	
324 Female	18-20 years	11 Yes	1 time a weel	k Clean	Not Safe	Comfortable	The school latrines beneficial or good as for me.	The bad about the school latrines is because many people use it.	Private pour-flush commode		
	18-20						Yes, it is good because when the students want				

								We also see the		
							The good good or the	children during some		
							beneficial part we see or we know is this 1. We	bad things will in this school when we return		
							have some good teacher,			
							is you Sis Sarah and we	see out classroom can		
	21-25		2-3 times a				can also understand I was lesson under her. Is one	who always acter in		
326 Male	years	11 Yes	week	Very Dirty	Not Safe	Not Comfortable	of the good thing.	mony.	Shared pit latrine	
								The negative or bad about the school		
							The good about the	latrines is that other		
							school latrines is that	community around the		
	21-25		2-3 times a				whenever we are on campus we use the	school use the latrines and some time they		
327 Female		11 Yes	week	Clean	Safe	Comfortable	latrines.		Outside (Bush)	
								But the negative side is		CANADA PARTICIPATION CONTRACTOR OF THE CONTRACTO
								that some of the		What I have to say in addition is that my school
							Some room of the latrines	rooms are not dean		latrine is not bad, but it
	26-30						are very clean even when you are there you fell		Private pour-flush	just need good care and meantime and also good
328 Female		11 Yes	1 time a week	c Clean	Safe	Comfortable	good about the room.		commode	controlled.
								The negative or bad		
							The good about the	about the school latrines is that other		
								community around the		
	24.25		2.24				when ever we are on	school use the latrines		
329 Female	21-25 years	11 Yes	2-3 times a week	Clean	Safe	Comfortable	campus we use the latrines.	and some time they misuse it.	Outside (Bush)	
22210110110	,						A0.7.75	WW 12 11 11	2004	W38 10 2007 IO IO
								The negative or bad		Really the school
								about the school latrines is that there is		administration had to see reason to rerilivate the
	0.000,000.0		OLATON I					no good care taken, no		school latrines, in other
330 Male	21-25 years	11 Yes	1 time a month	Dirty	Not Safe	Not Comfortable		restriction, no controlled.	Private pit latrine	that the place be a comfortable. Thank you!
330 IVIale	years	TT 162	anonut:	on cy	MOC Salle	140 Common table	The school latrines is not	controlled.	птивте рилвиние	connortable, main yout
	40.00						beneficial to me, because	+1 1 1 1		
331 Female	18-20 years	11 Yes	1 time a month	Clean	Safe	Comfortable	the latrines is not very dean.	The school latrines is unclean.	Shared VIP latrine	
551 remaie	years	11 100	mortar	Cicuri	Suic	Comorcapic	The school latrines is	uno cum	Sidica vii idania	
	2000						beneficial or good	KE WEST VES		
332 Female	18-20 vears	11 Yes	2-3 times a week	Dirty	Very Unsafe	Very Uncomfortable	because we use it sometime.	School latrines is bad because it a dirty.	Private pit latrine	
OSE FORMATO	yours	11 100	WOOK	oney.	vory oriodic.	Tory officering capit	Surround	The negative or bad	nii vaco presaumo	
							÷1 1 1 1 1 1	about the school		
								latrines is that other community around the		
							when ever we are on	school use the latrines		
333 Female	26-30	11 Yes	2-3 times a	Many Classes	Safe	Van Canfastalia	campus we use the latrines.	and some time they	Outside (Bush)	
No No	years 21-25	11 163	week 2-3 times a	Very Clean	Jaie	Very Comfortable	lauliles.	misuse it.	Outside (Bush)	
334 answer	years	11 Yes	week	Very Dirty	Very Unsafe	Very Uncomfortable			Private pit latrine	
335 Male	21-25 years	11 Yes	2-3 times a week	Clean	Safe	Comfortable	Around the latrines is dean.	The students can toilet on the floor.	Private pit latrine	No additional comments.
	***************************************		- North Carlo							
							The beneficial or good about the school latrines			
							is that you hoses are so			100 10 0 11 121
							is triat you rioses are so			Really I don't see any
	21-25		2-3 times a				from the campus so we			negative or bad thing on
336 Female		11 Yes	2-3 times a week	Very Clean	Safe	No answer			Private pit latrine	
336 Female	years	11 Yes		Very Clean	Safe	No answer	from the campus so we use the latrines.  Some of the room latrines	But the negative side of the room are clean		negative or bad thing on
	years 18-20		week				from the campus so we use the latrines.  Some of the room latrines are dean and some are	But the negative side of the room are clean and the other side are	Private pour-flush	negative or bad thing on
336 Female 337 Female	years 18-20	11 Yes			Safe Not Safe	No answer  Comfortable	from the campus so we use the latrines.  Some of the room latrines	But the negative side of the room are clean and the other side are very dirty		negative or bad thing on
	years 18-20		week				from the campus so we use the latrines.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and	But the negative side of the room are clean and the other side are very dirty Some of the latrines is very bad and not	Private pour-flush	negative or bad thing on
	years 18-20 years		week				from the campus so we use the latrines.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls	But the negative side of the room are clean and the other side are very dirty Some of the latrines is very bad and not comfortable for the	Private pour-flush commode	negative or bad thing on
	years 18-20 years 21-25		week	c Clean			from the campus so we use the latrines.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because	Private pour-flush commode	negative or bad thing on
337 Female	years 18-20 years 21-25	11 Yes	week	c Clean	Not Safe	Comfortable	from the campus so we use the latrines.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls and boys because they take good care.	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.	Private pour-flush commode Private pour-flush	negative or bad thing on
337 Female	years 18-20 years 21-25	11 Yes	week	c Clean	Not Safe	Comfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty. Some of the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad	Private pour-flush commode Private pour-flush	negative or bad thing on
337 Female	years 18-20 years 21-25	11 Yes	1 time a week	c Clean	Not Safe Not Safe	Comfortable	from the campus so we use the latrines.  Some of the croom latrines are deen and some are very dirty.  Some of the latrines is very dean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad	Private pour-flush commode Private pour-flush	negative or bad thing on
337 Female	18-20 years 21-25 years	11 Yes	week	c Clean	Not Safe	Comfortable	from the campus so we use the latrines.  Some of the rom latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students is that, it help students mot tog ou tithe school.	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the	Private pour-flush commode Private pour-flush	negative or bad thing on
337 Female 338 Female	18-20 years 21-25 years	11 Yes 11 Yes	1 time a week	c Clean	Not Safe Not Safe	Comfortable  Not Comfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not tog out the school natrines in that, it help students not tog out the school. The school latrines is	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the	Private pour-flush commode Private pour-flush commode	negative or bad thing on
337 Female 338 Female 339 Female	years 18-20 years 21-25 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  2-3 times a	c Clean c Clean	Not Safe  Not Safe  Very Safe	Comfortable  Not Comfortable  Very Comfortable	from the campus so we use the latrines. Some of the room latrines are dean and some are very dirty.  Some of the latrines is very dean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not to go out the school. The school latrines is that, it help students not to go out the school. The school latrines is beneficial or good because we use it	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is.	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female 338 Female	years 18-20 years 21-25 years 18-20 years 18-20 years	11 Yes 11 Yes	1 time a week  1 time a week	c Clean	Not Safe  Not Safe  Very Safe	Comfortable  Not Comfortable	from the campus so we use the latrines. Some of the room latrines are dean and some are very dirty.  Some of the latrines is very dean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not to go out the school. The school latrines is that, it help students not to go out the school. The school latrines is beneficial or good because we use it	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female 338 Female 339 Female	years 18-20 years 21-25 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  2-3 times a	c Clean c Clean	Not Safe  Not Safe  Very Safe	Comfortable  Not Comfortable  Very Comfortable	from the campus so we use the latrines. Some of the room latrines are dean and some are very dirty.  Some of the latrines is very dean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not to go out the school. The school latrines is that, it help students not to go out the school. The school latrines is beneficial or good because we use it	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty. The negative things	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is beneficial or good because we use it sometime.	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty. The negative things about the latrines is in the latrines is limit the latrines is lift.	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female 338 Female 339 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean	Not Safe  Not Safe  Very Safe	Comfortable  Not Comfortable  Very Comfortable	from the campus so we use the latrines.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not togo out the school latrines is that, it help students not togo out the school latrines is beneficial or good because we use it sometime.	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty. The negative things about the latrines is in the latrines is limit the latrines is lift.	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is beneficial or good because we use it sometime.	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty. The negative things about the latrines is in the latrines is limit the latrines is lift.	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the latrines is very clean and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not tog out the school latrines is that, it help students not tog out the school. The school latrines is beneficial or good because we use it sometime.  The surrounding of the latrines is very clean.  The beneficial or good about the school latrines is very clean.	But the negative side of the room are clean and the other side are very dirty.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.  The negative things about the latrines is in the latrines is that the latrines is that the latrines is not fans.	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not togo out the school latrines is beneficial or good because we use it sometime.  The surrounding of the latrines is very clean.  The beneficial or good about the school atrines is sometime.	But the negative side of the room are clean and the other side are very dirty. Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty. The negative things about the latrines is not fans.  The negative things about the latrines is in the latrines is in the latrines is in the latrines is not part of the latrines is in the latrines is not part of the latrines is in the latrines is not part of the latrines is in the latrines is in the latrines is in the latrines is in the latrines is not part of the latrines is n	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines.  Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and some are very dirty.  Some of the latrines is very clean and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not tog out the school latrines is the properties of the school straines we use it sometime.  The surrounding of the latrines is very clean.  The beneficial or good about the school latrines is that, the school latrines is that the school latrines is students used to wash	But the negative side of the room are clean and the other side are very dirty.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.  The negative things about the latrines is in the latrines is the latrines is not fans.  The negative things about the latrines is in the latrines is in the latrines is the latrines is that the latrines is the school latrines is the latrines is the school latrines is the school latrines is the school latrines is the school latrines is that the school latrines is that the	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty.  Some of the latrines list wery clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not tog out the school latrines for the girls and boys because we use it some ficial or good about the school latrines is beneficial or good about the school latrines is that, it help students not tog out the school latrines is the school latrines is that, it help students are used to see the school latrines is that, it help students we use it sometime.  The beneficial or good about the school latrines is that, the school latrines is that, the school latrines is that, the school latrines is that the school latrines have a pump that all students used to wash their hands after freeding	But the negative side of the room are clean and the other side are very dirty.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.  The negative things about the latrines is not fans.  The negative or bad about the school latrines is that the latrines is not fans.	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years 18-20 years 21-25 years 18-20 years 18-20 years 18-20 years 18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty.  Some of the latrines is very clean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that it help students not tog out the school latrines is that it they are the school latrines is beneficial or good because we use it sometime.  The surrounding of the latrines is very clean.  The beneficial or good about the school latrines is very clean.  The beneficial or good about the school latrines is that, the school latrines is that the	But the negative side of the room are clean and the other side are very dirty.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.  The negative things about the latrines is in the latrines is that the latrines is that the shool latrines is that the shool latrines is that the shool latrines is that the school latrines in the school latrines is that the school latrines in the school latrines is that the school latrines in the scho	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years  18-20 years  21-25 years  18-20 years  18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a month	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are dean and some are very dirty.  Some of the latrines is very dean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not tog out the school latrines is that, it help students not tog out the school latrines is beneficial or good because we use it sometime.  The surrounding of the latrines is very clean.  The beneficial or good about the school latrines is that, the school latrines is that it and school latrines is that it is school latrines in the school latrines in the school latrines is the school latrines in the school latrines is the school latrines in the school latrines is that it is school latrines in the school latrines is the school latrines in the schoo	But the negative side of the room are clean and the other side are very dirry.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirry.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirry.  The negative things about the latrines is that the latrines is not fans.  The negative shings about the latrines is in the latrines is that the school latrines is that the school latrines, the children in the school alor freed theirse, the children in the school also freed theirsef on the floce (floor) and its	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  340 Female  341 Female	years  18-20 years  21-25 years  18-20 years  18-20 years  18-20 years	11 Yes 11 Yes 11 Yes 11 Yes 11 No answer	veek  1 time a week  1 time a week  2-3 times a week  2-3 times a month	c Clean  C Very Clean  Dirty  Clean	Not Safe  Not Safe  Very Safe  Very Unsafe  Safe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable  Comfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty. Some of the latrines is very clean and some are very dirty. Some of the latrines is very clean and boys because they take good care.  The beneficial or good about the school latrines is beneficial or good about the school latrines is beneficial or good the scause we use it sometimes. The same latrines is beneficial or good about the school latrines is that, the proposition of the latrines is very clean.  The beneficial or good about the school latrines is that, the school latrines have a pump that all students used to wash their hands after freeding helt-resifis and also have a concrect flode (concrete floor) that will last for more than 11 years and	But the negative side of the room are clean and the other side are very dirty.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.  The negative things about the school latrines is that the latrines is not fans.  The negative things about the latrines is in the latrines is the school latrines is that the school latrines is make the latrines to	Private pour-flush commode  Private pour-flush commode  Private pit latrine  Private pit latrine	negative or bad thing on
337 Female  338 Female  339 Female  340 Female	years  18-20 years  21-25 years  18-20 years  18-20 years	11 Yes 11 Yes 11 Yes	1 time a week  1 time a week  1 time a week  2-3 times a week  2-3 times a month	c Clean c Clean c Very Clean Dirty	Not Safe  Not Safe  Very Safe  Very Unsafe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable	from the campus so we use the latrines. Some of the room latrines are dean and some are very dirty.  Some of the latrines is very dean and comfortable for the girls and boys because they take good care.  The beneficial or good about the school latrines is that, it help students not tog out the school latrines is that, it help students not tog out the school latrines is beneficial or good because we use it sometime.  The surrounding of the latrines is very clean.  The beneficial or good about the school latrines is that, the school latrines is that it and school latrines is that it is school latrines in the school latrines in the school latrines is the school latrines in the school latrines is the school latrines in the school latrines is that it is school latrines in the school latrines is the school latrines in the schoo	But the negative side of the room are clean and the other side are very dirty.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.  The negative things about the school latrines is that the latrines is not fans.  The negative things about the latrines is in the latrines is the school latrines is that the school latrines is make the latrines to	Private pour-flush commode  Private pour-flush commode  Private pit latrine	negative or bad thing on
337 Female  338 Female  340 Female  341 Female	years  18-20 years  21-25 years  18-20 years  18-20 years  18-20 years	11 Yes 11 Yes 11 Yes 11 Yes 11 No answer	veek  1 time a week  1 time a week  2-3 times a week  2-3 times a month	c Clean  C Very Clean  Dirty  Clean	Not Safe  Not Safe  Very Safe  Very Unsafe  Safe	Comfortable  Not Comfortable  Very Comfortable  Very Uncomfortable  Comfortable	from the campus so we use the latrines. Some of the room latrines are clean and some are very dirty. Some of the latrines is very clean and some are very dirty. Some of the latrines is very clean and boys because they take good care.  The beneficial or good about the school latrines is beneficial or good about the school latrines is beneficial or good the scause we use it sometimes. The same latrines is beneficial or good about the school latrines is that, the proposition of the latrines is very clean.  The beneficial or good about the school latrines is that, the school latrines have a pump that all students used to wash their hands after freeding helt-resifis and also have a concrect flode (concrete floor) that will last for more than 11 years and	But the negative side of the room are clean and the other side are very dirty.  Some of the latrines is very bad and not comfortable for the girls and boys because of dirty.  The negative or bad about the school latrines is that the latrines is not fans.  The school latrines is bad because it is dirty.  The negative things about the school latrines is that the latrines is not fans.  The negative things about the latrines is in the latrines is the school latrines is that the school latrines is make the latrines to	Private pour-flush commode  Private pour-flush commode  Private pit latrine  Private pit latrine	negative or bad thing on

344 Male y 345 Male y	21-25 years 18-20 years 21-25 years	11 Yes	1 time a week  2-3 times a week	Dirty	Not Safe	Not Comfortable		The school latrines is		For additional we need	
345 Male y	years 21-25	11 Yes					said, there is no care for it.	very bad because there is no care for it.	Other	you support for the area of latrines and also the school compound.	Private pit latrine Shared pit latrine
				Very Dirty	Very Unsafe	Very Uncomfortable	The school latrines is beneficial or good because if you comes on campus and you want to put out waste product or wage, it can help you put out you waste product or wage.	about the school latrines is when it is dirty we difference	Private pit latrine		
346 Male	years	11 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The beneficial or good		Private VIP latrine	The school latrines make me free good on campus. It is the beneficial or good about the school latrines.	
	21-25							The negative or bad about the school latrines, first of all, before! explain, we the liberfan people love us, but we don't love our self. (UNICEF with some health NGO have donated forms for schools latrines, but we don't know what they are doing. To come to your question, reason for which is add the school not having latrines is this, all the latrines on campus don't represent an institution lateries, so this is why! say the school not having latrines. Thenk you for			
	years	11 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable		your understanding. The latrines is bad because the geater for the school is not taken	No answer		
	21-25 years	11 Yes	2-3 times a week	Very Clean	Safe	Comfortable	The latrines is but, it need good care and will be good.	latrines that is why is bad.	Private VIP latrine	My school latrines is not bad, but it need good care.	
	12-17 years	11 Yes	1 time a week	: Clean	Safe	Comfortable	there, after using the latrines to wash your hand. It is also good for student to use it help the student to free	The bad of negative part of the school latine it is not in an good atmosphere in which the latine door can be open at any time.	Private VIP latrine	Yesl The school VIP latrines need shared pour- flush commode and some other material that is good for a latrines.	
	18-20		2-3 times a	e.	5.6	B 1 1 1 1 1		bad because it doesn't	D	The school need more latrines with commode	
2	years 26-30	11 Yes	week  2-3 times a	Clean	Safe	Comfortable	because when the have a latrine than what so ever you will do on the campus	When the school latrines is not in a good condition than the school campus is not safe for us the	Private VIP latrine	inside it for VIP used.	
1	years  18-20 years	11 Yes	week  2-3 times a month	Clean	Safe Safe	Comfortable  Not Comfortable	The beneficial or good about the latrines is it help us to release our self	The bad about the school latrines is only one who live near the school campus do not use the latrines itself, butrather use around the latrines and the toilet can pollute all	Private pit latrine		

The state of the s											
	18-20		2-3 times a				The beneficial or good about the school latrines is that house are so far	The negative or bad about the school latrines is that when ever the latrine door which for no rice which physic school compositive no reading book, so one please give reading.		The school VIP latrines is use on for the VIP and they meantine (maintain) the latrine which who the sudy physics studay latrine for the VIP and	Prívate pit latrine,
353 Male	years	11 Yes	week	Clean	Safe	Comfortable	use the latrines.	book.	Other		Shared pit latrine
354 Male	21-25 years	11 Yes	1 time a	Very Clean	Not Safe	Not Comfortable	about the school latrines is the school latrines is pain in and out and also it	school campus can use	Private pit latrine		
304 IVIale	years	11 163	monar	very cream	NUC Sale	Noccomionable	campus.	Every one who live	r i vate pi ti ati i i e		
355 Male	18-20 years	11 Yes	1 time a month	Dirty	Not Safe	Not Comfortable	The negative about the school latrines is not good the latrines is very dirty.		Private pit latrine	Really the school latrines is not good for people to go in the school latrines.	
356 Male	18-20 years	9 <b>N</b> o	No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines is very dirty indeed. I (as) for me I am not used it yet, and I am not benefit from it.	The school latrines is very, very bad indeed.	Share at all lateling	I am kindly calling on the health club to please come and help us with the latrines, thank you for your understanding and paying concrete attention.	
330 Ividie		3 140		verybilty	NOC Sale	Noccomiortable	Our school latrine is very		Silai ed piciaunie	paying concrete accentions.	
357 Female	18-20 years	9 Yes	2-3 times a week	No answer	Very Safe	No answer	good becayse we have everythings.	very clean, but not deep	Private pit latrine		
257 Formale	• 55%			12 2	-1-00		A CONTRACTOR MANAGEMENT OF THE CONTRACTOR OF THE	There is nothing that is	TO THE PARTY OF		
							The school latrines is very				
358 Male	21-25 years	9 Yes	2-3 times a week	Very Clean	Safe	Very Comfortable	good. It also make me to feel fine it I ental in it.	latrine is very comfortable.	Private VIP latrine		
336 Wale	18-20	3 163	week	valycean	Jaie	very connortable	The latrines is very good, it make us to release	The bad thing is that no controlling of the school latrines, everybody go and	Fill value vir laulilie		
359 Female		9 Yes	Every day	Very Clean	Very Safe	Very Comfortable		misuse it.	Private pit latrine		
2	18-20						school latrines is the building and pump around				
360 Male	years	9 No	No answer	Dirty	Very Unsafe	Not Comfortable	it make it good.	it that make it bad.	Outside (Bush)		
361 Male	18-20 years	9 No	No answer	Very Clean	Not Safe	Very Comfortable	The school latrines is for the whole school because but health is also good for the student and help us also.		Private pit latrine		
362 Male	18-20 years	9 Yes	Every day	Very Dirty	Very Safe	Comfortable	The school latrines help me not to used the bush and also gave me safe life.		Private VIP latrine	No comment regarding to the school VIP latrines because it is very clean and useful during to the safeness today I am safe.	
262 5	21-25	0.8	2-3 times a	Die	Non Colo	Nacconforth	The school latrines is not		Private pit latrine	I am asking the Ministry of Health to please help us to	
363 Female	years	9 Yes	week	Dirty	Not Safe	Not Comfortable	The good about the	using.	r i vate piti atrine	dean our latrines.	
364 Male	18-20 years	9 Yes	2-3 times a month	Dirty	Very Unsafe	Not Comfortable		The bad of the latrines is all around is bush no good door for the latrines.	Private pit latrine		
	21-25		1 time a				The school latrines is help me sometime use it on				
365 Female	years 21-25	9 Yes	month	Very Dirty	Very Unsafe	Very Uncomfortable		The school latrings is	Private pit latrine		
366 Female		9 Yes	month	Clean	Not Safe	Comfortable	touse	very goo to use	Private VIP latrine		
367 Male	18-20 years	9 No	Less than once a month	n Dirty	Not Safe	Not Comfortable	The latrines is very desent, good construction.	The student sit on the door and tailer	Private pit latrine		
	21-25		1 time a					on the door to tailer			
368 Male	years	9 No	month	Very Dirty	Not Safe	Not Comfortable	one to clean it.	(toilet).	Private pit latrine		
369 Male	18-20 years	9 Yes	Every day	Very Dirty	Very Unsafe	Not Comfortable	Nothing is good about the school latrines.	The school latrines is very dirty, not save to be used in other to no (know) how to clean the latrines in the school we have to get cleaner for the latrines.	Private pit latrine	There is no comment about the VIP latrines.	
1 1 1 1	Marche						desent latrines and also it				
370 Male	18-20 years	9 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	very good to take care of the school latrines.	good and desent to be use.	Shared VIP latrine	No	
						-					

371 Male	18-20 years	9 No	1 time a week	Very Dirty	Not Safe	Not Comfortable	The school latrines is very dirty so it can be hard for me to go there.	The latrines is not in good condition. There is no negative or	Outside (Bush)	Please, I need your help from you. There is no additional
372 Female	12-17	9 Yes	1 time a week	Varu Class	Very Safe	Very Comfortable	The school latrine help me not to use the bush.		Private VIP latrine	comments regarding the school VIP latrines.
	12-17						The school latrines help us because at the people who take care of the school latrines make show (sure) to clean the school	There is no negative or bad about the the school latrines. At for me no negative or bad		There is no additional comments regarding the
373 Female		9 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	latrines. The beneficial of the school latrines is it can make us we can go	about the wrines.	Private VIP latrine	school VIP latrines.
374 Male	21-25 years	9 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable	outside or in the bush to go in the latrine.		Shared pit latrine	
375 Female	18-20 years	9 No	No answer	Very Dirty	Very Safe	Comfortable			Private VIP latrine	
	18-20						healthy, but when it is dirty we contact disease	The school latrines is very dirty to the extend that we can not		The comment that regarding the school VIP latrines is that the latrines is very bad for using. So we are appealing to you to
	years 18-20	9 No	1 time a	Very Dirty		Very Uncomfortable	Even though we had beneficated laker (lack) of manerial for the school latrine some are hoe	be able togo in it. The school latrine is very much unsafe for using the latrine we are able to use it contaminated to the	Private pit latrine	please build us a latrine.  We are asking Ministry of Health and social welfare to add some challented people on this school
377 Male	years 18-20	9 No	month  2-3 times a	Dirty	Not Safe	Not Comfortable	latrines make show (sure) to clean the school	There is no negative or bad about the school latrines at for me no negative or bad about	Outside (Bush)	health dub.  There is no additional comments regarding the
378 Male	years	9 Yes	week	Very Clean	Very Safe	Very Comfortable	It every day.  The beneficial about the school latrines is we have	the latrines.	Private VIP latrine	school VIP latrines.
	12-17 years	9 Yes	1 time a week	Very Clean	Very Safe	Comfortable	all the necessary material for the school latrine.		Private pit latrine	
	21-25 years	9 Yes	2-3 times a month	Very Dirty	Vary Upcofa	Very Uncomfortable	dean, we clean the latrines evert week two	The latrines is not too dirty but there are some people that use the latrines with bad heart.	Private pit latrine	
	21-25 years	9 No	2-3 times a	Very Dirty		Very Uncomfortable	The school latrines is very uncomfortable because of that we can use the		Private pit latrine	
	18-20		2-3 times a		•		The school latrines is good for the student to use it. It	The school latrines is very unsafe for the	•	
382 Male	years 21-25	9 No	week  2-3 times a	Dirty	Not Safe	Not Comfortable		not bad because most of us use the school	Private pit latrine	
383 Male 384 Male	years 18-20 years	9 Yes 9 No	week  2-3 times a week	Clean	Safe Safe	Very Comfortable  Very Comfortable	The school latrines is very good but since been in this school not used it	latrines. The school latrines is not bad because most of us use the school latrines.	Private pit latrine  Private pit latrine	
	12-17 years	9 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	The school latrines help us in order to be in school. If no good latrines we will like to stayed away.		Private VIP latrine	No comments
	18-20 years	9 Yes	Every day	<b>V</b> er <b>y</b> Clean	Very Safe	Very Comfortable			Private VIP latrine	There is no additional comments regarding the school VIP latrines.
387 Male	21-25 years	9 No	2-3 times a week	Dirty	Not Safe	Not Comfortable	The school latrines is very dirty so if can be harm for		Outside (Bush)	
	18-20						We are beneficial our school latrines because our school latrines is very	The negative or bad about the school latrine the bad about the school is the small (smell) do not no have		We are asking the Ministry of Health to give us some meatrial (material) of school latrine
388 Male	years	9 Yes	No answer	Very Clean	Very Safe	Very Comfortable	safe. The school beneficial is the latrines because it is	to use it. The latrines is very	No answer	for the school health dub.

390 Male	21-25 years	9 No	No answer	Very Dirty	Very Unsafe	<b>V</b> ery Uncomfortable	because people who are not from part of the	The school latrines was safe before, but the school earth club are trying their best toward it.	Private pit latrine	For me the only comment I have about the school VIP latrines is the VIP latrines is not in fance (fence) so from the outside can go there any time they want.
391 Female	18-20 years	9 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable		bad about the school	Private pit latrine	
392 Female	21-25 years	9 Yes	1 time a week	c Clean	Very Safe	Very Comfortable	We are beneficial our school latrines because our school latrines is very safe.	The negative or bad about the school latrines the do bad about the school latrines small how to use school latrines	Shared VIP latrine	We are asking the Ministry of Health to give us some meatrial (material) of school latrine for the school health dub.
393 Female	18-20 years	9 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The latrines is very good, it make us to releve for us, it benefit us trot too go out to the school	The bad thing is bad about the school latrines	Private VIP latrine	
394 Male	18-20	9 No	No ongyay	Many Diety	Not Safa	Not Comfortable	The school latrines is very dirty indeed, it is not comfortable.	bad for using, it is not	Shared VIP latrine	We are asking the Ministry of Health and Social Welfare to add some charllented to the school latrines.
594 IVIale	years	9 140	No answer	Very Dirty	Not Safe	Not connortable	The beneficial of the		Stated VIF lautile	sciouriauries.
395 Female	21-25 years	9 Yes	2-3 times a week	Very Dirty	Not Safe	Not Comfortable	school latrines is very dirty indeed it is not comfortable.	The school latrines is bad because it is not clean	Private VIP latrine	
	21-25						We are beneficial our school latrines because our school latrines is very	The negative or bad about the school latrines we do bad about the school nou		We are asking the Ministry of Health to give us some meatrial (material) of school latrine
396 Female	18-20	9 Yes	1 time a week		Very Safe	Very Comfortable	safe.	The bad about the school latrines there is not water to clean hand after using the	Private VIP latrine	for the school health dub.
397 Female	years	9 Yes	1 time a week	Dirty	Very Unsafe	Not Comfortable		latrines.	Private VIP latrine	
	18-20		2-3 times a				The school latrines can help us you can go		Private pour-flush	
398 Male	years	9 Yes	week	Very Clean	Very Safe	Very Comfortable	outside to torlets (toilet).	deep.	commode	
399 Male	18-20 years	9 Yes	1 time a month	Very Dirty	Not Safe	Very Uncomfortable	I saw some of the beneficial that school one come in with such are: the zinc and semte (cement).	to be used after for	Private VIP latrine	I am very happy to see some expansion to come to us.
	12-17		2-3 times a				The school latrines is very			
400 Male 401 Male	years 18-20 years	9 Yes	week  Every day	Clean Very Clean	Very Safe	Very Comfortable  Very Comfortable	dean.	The latrines after using it, there is no water to wash you hand, and also the grass around	Private pit latrine  Private pit latrine	
11.010	1-20		,	,	,	,				
402 Female	21-25 years 26-30	9 Yes	Every day	Very Clean	Very Safe	Very Comfortable	The school latrines is very clean because she do well. The school latrines is very comfortable because she	for the school latrines. The school latrines are	Outside (Bush)	
403 Female		9 Yes	Every day	Very Clean	Very Safe	Very Comfortable	do well.		Outside (Bush)	
						Very Comfortable	clean and it very safe	Only the pollution is bad, but the latrine is veryclean, we dean the surrounding but not deep.	Private pit latrine	
404 Male	18-20 years	9 Yes	2-3 times a week	Very Clean	Very Sate					
404 Male	years No answe		week		Very Safe		Some of the good things about the school latrines is, the health dub provide deaning materials.	latrines the way they are not supposed to	Private VIP latrine	
405 Female	No answe r	9 No	week  No answer	Very Clean	Very Safe	Very Comfortable	about the school latrines is, the health club provide cleaning materials.  The beneficial about the school latrines is that the	because the students sometimes use the latrines the way they are not supposed to use it.	Private VIP latrine	
404 Male  405 Female  406 Female	No answe r 21-25 years		week	Very Clean	Very Safe Very Safe		about the school latrines is, the health dub provide deaning materials.  The beneficial about the	because the students sometimes use the latrines the way they are not supposed to use it.	Private VIP latrine Private pit latrine	

							The cabe and lettere as begins			
							The school latrines helps we the students and the			
							other people for our			Actually there is no
	12-17		2-3 times a				saveity. So this is why make our latrines	The school latrines is		comments because the VIP latrines is very
408 Male	years	9 Yes	week	Very Dirty	Not Safe	Not Comfortable	Importance to us.	actually improper.	Private pit latrine	comfortable.
								The school latrines is bad because the latrine have on (no)		
	40.00		2.2.1					care taker like cleaner. There is an dady		
409 Male	18-20 years	9 Yes	2-3 times a week	Dirty	Very Unsafe	Not Comfortable		(anybody?) to take the dirt away.	Private pit latrine	
				***				The latrine have blue		
	24.25						*1	colors and white color		1 Maria Na
410 Male	21-25 years	9 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	The school latrines is very dean and it look beautiful.		Private pit latrine	I am very for the VIP latrines.
7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	21-25		2-3 times a				The school latrines is not			
411 Female	years	9 Yes	week	Dirty	Very Safe	Not Comfortable	good		Private pit latrine	
							The school latrines is very	The things that is bad about the school latrines is water		
							good. Our officials are doing well. They carrying			I fell very comfortable about the information.
	21-25		2-3 times a				on collaboration in order make our latrines very	wash your hands. That is bad about our school		Our school latrines is very safe. Thank you for your
412 Male	years	9 Yes	week	Very Clean	Very Safe	Very Comfortable	safe.	latrines.	Private pit latrine	information.
	18-20						The school latrines is very			
413 Female	years	9 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	dirty.	The latrines is dirty	Private pit latrine	The school VIP latrines is
							The school latrines is not			dean and safe. The
	26-30		2-3 times a			2 22	safe because the can	The dirty, toillet all	5 J. J.	school VIP also have lock
414 Female	years	9 Yes	week	Very Clean	Very Unsafe	Very Uncomfortable	wash it every day.	around the latrine	Shared pit latrine	to the door.
							The school latrines is good to use because when you are using it, you can not smile (smell) any feces	good to use when you		No any additional
	21-25		2-3 times a				and no fly go around the		Private pour-flush	comments regarding the
415 Male	years	9 Yes	week	Very Clean	Very Safe	Very Comfortable	area.	time of using it.	commode	school VIP latrines.
							The school latrines not good for using because it	The negative part on the latrines is the		Yes, the additional comment is the water
	18-20						does not make you feels	inside part I feels bad		flash they use all the time
416 Male	years	9 No	No answer	Very Dirty	Not Safe	Not Comfortable	when you in it.	aboutit.	Private VIP latrine	is very dirty.
417 Male	21-25 years	9 Yes	1 time a week	< Dirty	Not Safe	Not Comfortable	to be clean and comfortable for every student on campus of the school. If the latrines is safe, everyone who goes there will be safe.	person who is using	Private pit latrine	
		, , , , , , , , , , , , , , , , , , ,						WARE N &		
								When the sun is very hot or when the wind		
	21-25		1 time a				The school latrines is very	blow the latrines		
418 Female	years	9 Yes	month	Very Dirty	Not Safe	Not Comfortable	dirty indeed.	smelled very bad.	Shared pit latrine	
419 Male	12-17	9 Yes	1 time a	Claso	Safa	Comfortable	The school latrines are good or beneficial because it makes people to use the excretory system well as the time it uses you to excrete. It is also good because it provides comfortable ways of putting out waste products.	side about the school latrines is that the nearby people or the street walking people use the latrines as	Drivete nit latring	The same comments are mentioned in #10.
ATA IAISIG	years	5 168	month	Clean	Safe	Commontable	products. The school latrines is very		Private pit latrine	menduled III #10.
420 Male	21-25 years	9 Yes	1 time a week	c Very Dirty	Very Unsafe	Very Uncomfortable	good because we use it to dicate (defecate?) our	The negative about the school latrines is very bad.	Shared VIP latrine	
421 Female	18-20	0.00	1 time a week	Van Div	Var. Cal-	Very Comfortable	The school latrines beneficial because it has door, water to watch		Sharad n'islate'	
421 remale	years	9 Yes	1 ume a week	veryuirty	Very Safe	very comfortable	(wash) your hand.		Shared pit latrine	
422 Female	18-20 years	9 <b>N</b> o	No answer	Very Dirty	Very Unsafe	Very Uncomfortable		The school latrines it is very bad.	Shared VIP latrine	In the additional regarding in the school VIP latrines is very dirty.
423 Male	No answe r	9 No	No answer	Dirty	Not Safe	Not Comfortable		I student Sam E.J. Korwash, have discovered that the negative part about the school latrine its very dirty and polluted.	Private VIP latrine	I want for our school VIP latrines to have some volunteer boys and girls that will be assigned at the latrines to monitor the user of the latrines and do some cleaning, for our school VIP latrines to be comfortable.

424 Female	18-20 years	9 Yes	1 time a week	Very Clean	Very Safe	Comfortable		What is bad about the school latrines is the whole place is full with pupu all out side.	Private VIP latrine	The good about the school latrines is whenever you come from the latrines the is water and soap for washing hands	
				,			school latrines is the latrines is very bad and	The negative or bad about the school latrines is the latrines is very unsafe for our use and not		The comments regarding to this latrines is others	
425 Male	21-25 years	9 Yes	2-3 times a week	Clean	Safe	Comfortable		comfortable for our use.	Outside (Bush)	from outside are using the latrines.	
	744							to any discount of the forms.			
426 Male	7-11 years	9 Yes	Every day	Clean	Safe	Comfortable		Is good we fet faect our we are in school	Outside (Bush)	My comments on the school batch nony good.	
	21-25		2-3 times a		W - 0.5		The latrines is good because around it is very clean and we used it every day also we clean all around it and inside and it was safe for to use	also the community can also used it that what make bad, the latrines is there for the		The school VIP latrines have to be lock because is not there for the community people and	
427 Male	years	9 Yes	week	Very Clean	Very Safe	Very Comfortable	everyday.	student	Private pit latrine	the practic people.	
428 Female	21-25 years	9 Yes	2-3 times a month	Very Clean	Safe	Very Comfortable	It keep us on compound	For me it look dean because I use the buch latrines at my home so this school latrines look very clean to me	Outside (Bush)	The comments I have on the VIP latrines others people from ourside (outside) the school that live in their community use our school latrines.	
429 Female	18-20 years	9 Yes	2-3 times a month	Very Clean	Safe	Very Comfortable	The people that from ourside using the school latrines.	For me it look clean because I use the bush latrines at my home.	Outside (Bush)	The comments I have on the VIP latrines others people from ourside (outside) the school that live in their community use our school latrines.	
430 Male	21-25 years	9 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	I was school latrines very bad but a few month the water pour that was on the compound is Diamedu that is it.	The school latrines is not under restriction because our teacher they not comfor it.	Other	(Yes) the school VIP latrines is have to be unkak	Inside bathroor
431 Female	21-25	9 No answer	2-3 times a	Very Dirty	Not Safe	Very Uncomfortable	The school latrines need a	The school latrines is very bad because	Shared pit latrine	Information is very good because it with made the latrines to be very dean.	
432 Male	18-20 years	9 Yes	1 time a week		Not Safe	Not Comfortable				The school latrine is very bad because it had help used by other people	
	21-25		2-3 times a					The school latrines is very bad because there is no good cear	Private pour-flush	,	
433 Female	21-25	9 No	week	Very Dirty	Not Safe	Very Uncomfortable	What is beneficial about the school latrine sometime we toilet in the school latrine when we	community use the		(yes) the school VIP latrines must be lock when student or teacher	
434 Male	years	9 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable	want toilet.	school latrine for toilet	Private pit latrine	is not campus	
435 Male	18-20 years	9 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable	are using the latrines, I want for the school	The latrines is too bad for the school and every thing school have good latrines.	Shared VIP latrine		
	21-25		2-3 times a							-	
	years 21-25	9 Yes	week 2-3 times a	Dirty	Not Safe	Not Comfortable			Shared VIP latrine	The question is very goods	
437 Female	years 18-20	9 Yes	week	Very Clean	Safe	Not Comfortable			Shared VIP latrine		
438 Male	years	9 Yes	1 time a week	Very Dirty	Not Safe	Comfortable			No answer		
	18-20						I am happy about the school latrines because it is clean and comfortable. I				
439 Female	years	9 Yes	1 time a week	Very Clean	Very Safe	Comfortable	may us happy.		Private pit latrine		
440 Female	12-17 years	9 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable			Private pit latrine		
440 Female		9 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable			Private pit latrine		

	18-20						It is beneficial or good because it have doors, when after using it you can close it from every unauthorized individuals from using it because it	It is negative or bad because it does not have a good inside condition because some people just used it as their own latrine. When after using it they have no time to have it dose from other parasites, it is sometimes bad because if you enter inside you externing the your sea nonnone.		The school latrines is very bad, because it had been used by other people around the school, sometimes bad because if you enter inside you see peopon all around the
441 Male	18-20 years	9 Yes	1 time a week	k Dirty	Not Safe	Not Comfortable	was built for students of that institution.	inside, you see poopoo all around.	Outside (Bush)	poopoo all around the latrine.
	18-20		2-3 t/mes a				Whatgood about the school latrines is that around the latrine is clean and the wash hand pump help we student to			Yes: My additional comments regarding the VIP latrines at our schools is that we need additional latrines center and for the fifs at the school need to be saved from the latrines diseases. The latrines are fell (foul) and the girls who have infrection from vagina may some time have running stomach and will go and sit onit and secondly, the latrine is meant only for the school and it will not be good that community members go and release them self there. They sometime bust the lock and put there own lock on the door by night and there is no security on campus so thats my comment towards the latrines of the
442 Male	years	9 Yes	week	Dirty	Not Safe	Not Comfortable		health.	Other	school. Inside latrine (house)
443 Male	21-25 years	9 Yes	Every day	No answer	Very Safe	Comfortable			Private pit latrine	
	18-20						The good ness about the school latrines is very comfortable for the	The negative or bad about the school latrines due to some problem of the school gate, because the school gate are not safe so any individual can come in to use the school latrine. So that is the negative of our		
444 Male	years	9 Yes	No answer	Very Clean	Very Safe	Very Comfortable	latrines without problem.		Shared VIP latrine	
445 Female	26-30 years	9 Yes	1 time a week	k Very Dirty	Not Safe	Very Uncomfortable			Shared VIP latrine	
446 Female	21-25 years	9 Yes	1 time a week	k Verv Dirty	Not Safe	Very Uncomfortable			Shared VIP latrine	
447 Male	18-20 years	9 No	No answer	Clean	Not Safe	Not Comfortable		The school latrines is very bad in condition and event the location	Outside (Bush)	
		- Constant			American de la companya de la compan		The beneficial of the			1 May want you to halp-
							school latrine are not	The bad of our school latrine is our school		1 We went you to helps us to clean our latrines. 2 we
448 Male	12-17 years	9 No	1 time a month	Dirty	Not Safe	Not Comfortable	comfortable and not clean at all.	latrine is unclean and its smell bad.	Shared VIP latrine	want you to please help build new latrine
	26-30					22 220				
449 Female	years	9 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable			Shared VIP latrine	
450 Male	18-20 years	9 Yes	1 time a week	к Dirt <b>y</b>	Not Safe	Not Comfortable	to be very clean and comfortable for student	The bad side of the latrines is because the boys and girls use one room.	Private pit latrine	
	12-17						The school latrines have	The bad side of the latrines is if the latrines is very dirty people who using it every day will be sick.		

452 Female	18-20 years	9 No	No answer	Very Dirty	Not Safe	NotComfortable	people lives area the school used the latrines all of the times and also	kinds of sickness.	Shared pit latrine	The additional comments regarding the school VIP latrines is because the school administration is not take good care of the school latrines no care talk (taker) for the latrines.
	18-20						The school latrines beneficial or good because the school latrines is very bad. The	The negative or bad about the school latrines it is that the school latrines is uncomfortable be came it smell very bader and make school sick with all kind of		The additional comment regarding the school VIP latrines is because the school administration is not take good of the
453 Female	years	9 No	No answer	Very Dirty	Not Safe	Not Comfortable	people live area	sickness.	Outside (Bush)	school.
No 454 answer	No answe r 12-17	5 Yes	Every day	Very Dirty	Safe	Very Uncomfortable	The school latrines is spoil no door, no water, no windo (window?)	The school latrine hole	Outside (Bush)	The school VIP latrines clean The school VIP latrine is
455 Male	years	5 Yes	2-3 times a week	Dirty	Safe	Very Comfortable	The school latrine is clean.		No answer	dean.
No 456 answer	12-17 years	5 Yes	Every day	Very Dirty	Not Safe	Very Uncomfortable	The school latrines is spoil, no door, no water, no		Outside (Bush)	The school VIP latrine is dean.
	7.11						The school latrines are	The school latrines is very bad unclean very dirty. Grass		The school is your distri
457 Male	7-11 years	5 Yes	1 time a week	: Very Dirty	Not Safe	Very Uncomfortable	very dirty aronud it and also we cannot fletch it.	surrounded the school latrines	Shared VIP latrine	The school is very dirty please help us.
							The school latrines as very	The school latrines is bas because the		
No	12-17	2000	1-2000 APT 11-200	EU0200000000000000000000000000000000000	***************************************	S 200mm p 200mm and a 200mm	bad we not have all of this	unpleasant and also		The VIP latrines is bad the
458 answer	years	5 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	things in it.	bad to go in it.	Outside (Bush)	school latrines VIP is bad
							÷ 1 1	The school latrines is		
No	7-11						The latrines is very bad so we can't go in it every	unpleasant and also		The school latrines VIP is
459 answer	years	5 Yes	1 time a week	: Very Dirty	Very Unsafe	Very Uncomfortable	day.	the grass surrounded it The school latrines is	Outside (Bush)	very good.
	12-17							bad because latrines is		
460 Male	years 18-20	5 Yes	No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines is not	dirty The latrine door and	Shared pit latrine	very bad
461 Male	years	5 Yes	Every day	Very Dirty	Safe	Very Uncomfortable		window is very bad	Outside (Bush)	No
	7-11							My school latrines is dirty because if you go in the latrines you will see pupu right at the		
462 Male	years	5 No	No answer	Dirty	Not Safe	Not Comfortable	Nothing is good.	door	Private pit latrine	is very clean
463 Male	12-17 years		Eugen dou	Very Dirty	Safe	Very Uncomfortable		The latrine door and window is very bad	Shared VIP latrine	
		5 Yes						Everything is very bad,		
	42.47	5 Yes	Every day							The code of MD latebase to
464 Male	12-17 years	5 Yes	1 time a week		Not Safe	Not Comfortable	Nothing good in the school latrines	I do latrines hold to good	Private VIP latrine	The school VIP latrines is very clean
464 Male 465 Male				: Dirty	Not Safe  Not Safe	Not Comfortable  Not Comfortable	school latrines	good  Everything is very very bad, I do not like the	Private VIP latrine Private pit latrine	
	years 12-17 years	5 Yes	1 time a week	: Dirty			school latrines  The school latrines is not comfortable it does small	good  Everything is very very bad, I do not like the hold (hole) too good		very clean  The school VIP latrines is very very good
	years 12-17 years 12-17 years	5 Yes	1 time a week  1 time a week  2-3 times a week	: Dirty			school latrines The school latrines is not	good  Everything is very very bad, I do not like the		very clean  The school VIP latrines is very very good  The school VIP latrines is very good.
465 Male	years 12-17 years 12-17	5 Yes	1 time a week	: Dirty	Not Safe	Not Comfortable	School latrines  The school latrines is not comfortable it does small (smell) good, it small (smell) very bad.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is	Private pit latrine Private VIP latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is
465 Male 466 Female 467 Female	12-17 years 12-17 years 12-17 years 12-17	5 Yes 5 Yes 5 Yes 5 No	1 time a week  1 time a week  2-3 times a week  1 time a month  1 time a	Dirty Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) very bad. Is not good. The school latrines not	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good	Private pit latrine Private VIP latrine Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.
465 Male 466 Female	12-17 years 12-17 years 12-17 years 12-17 years 18-20 years	5 Yes 5 Yes	1 time a week  2-3 times a week  1 time a month  1 time a month	: Dirty : Dirty Very Dirty	Not Safe Not Safe	Not Comfortable  Not Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) yery bad.  Is not good The school latrines not good.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good in ot the hold (hole)	Private pit latrine Private VIP latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is verygood. The school VIP latrines is good. Is very dirty.
465 Male 466 Female 467 Female 468 Male	12-17 years 12-17 years 12-17 years 18-20 years 12-17	5 Yes 5 Yes 5 Yes 5 No	1 time a week  1 time a week  2-3 times a week  1 time a month  1 time a	Dirty Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) very bad.  Is not good.  Is not good.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good I not the hold (hole) I do not like the sent	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.
465 Male 466 Female 467 Female	years  12-17 years  12-17 years  12-17 years  18-20 years  12-17 years	5 Yes 5 Yes 5 Yes 5 No 5 No	1 time a week  2-3 times a week  2-3 times a week  1 time a month  1 time a month	Dirty  Uery Dirty  Very Dirty  Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) very bad. Is not good. The school latrines not good.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good I not the hold (hole) I do not like the sent (scent) of the latrines.	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is dean.
465 Male 466 Female 467 Female 468 Male	12-17 years 12-17 years 12-17 years 18-20 years 12-17	5 Yes 5 Yes 5 Yes 5 No 5 No	1 time a week  2-3 times a week  2-3 times a week  1 time a month  1 time a month	Dirty  Very Dirty  Very Dirty  Dirty  Clean	Not Safe  Not Safe  Very Unsafe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) very bad. Is not good. The school latrines not good.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good I not the hold (hole) I do not like the sent (scent) of the latrines. I done (don't) like the	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is
465 Male 466 Female 467 Female 468 Male 469 Male 470 Male	years  12-17 years	5 Yes 5 Yes 5 No 5 No 5 Yes 5 Yes	1 time a week  1 time a week  2-3 times a week  1 time a month  2-3 times a week  1 time a week	Colorby  Very Dirty  Very Dirty  Clean  Clean	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) yery bad. Is not good.  The school latrines not good.  The school latrine is clean.  The area we use to wash our hand after use latrines	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good  I not the hold (hole)  I do not like the sent (scent) of the latrines.  I done (don't) like the water in the latrine.	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is clean.  The school VIP latrines is clean.
465 Male 466 Female 467 Female 468 Male	years  12-17 years  12-17 years  12-17 years  12-17 years  12-17 years  12-17 years	5 Yes  5 Yes  5 No 5 No 5 Yes	1 time a week  1 time a week  2-3 times a week  1 time a month 1 time a month 2-3 times a week	Dirty  Very Dirty  Very Dirty  Dirty  Clean	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) yery bad. Is not good. The school latrines not good. The school latrines clean. The area we use to wash our hand after use latrines	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good I not the hold (hole) I do not like the sent (scent) of the latrines. I done (don't) like the water in the latrine.	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good. The school VIP latrines is good. Is very dirty.  The school VIP latrines is dean.  The school VIP latrines is dean.
465 Male 466 Female 467 Female 468 Male 469 Male 470 Male	years  12-17 years  12-17 years  12-17 years  12-17 years  12-17 years  12-17 years	5 Yes 5 Yes 5 No 5 No 5 Yes 5 Yes	1 time a week  1 time a week  2-3 times a week  1 time a month  1 time a week  1 time a week  1 time a week	Colorby  Very Dirty  Very Dirty  Clean  Clean	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) yery bad. Is not good.  The school latrines not good.  The school latrine is clean.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good  I not the hold (hole)  I do not like the sent (scent) of the latrines.  I do not like the sent (scent) of the latrine.	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is clean.  The school VIP latrines is clean.
465 Male 466 Female 467 Female 468 Male 469 Male 470 Male	years  12-17 years	5 Yes 5 Yes 5 No 5 No 5 Yes 5 Yes	1 time a week  1 time a week  2-3 times a week  1 time a month  2-3 times a week  1 time a week	Colorby  Very Dirty  Very Dirty  Clean  Clean	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) good, it small (smell) very bad.  Is not good The school latrines not good.  The school latrine is clean. The area we use to wash our hand after use latrines is not have water.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good I not the hold (hole)  I do not like the sent (scent) of the latrines.  I done (don't) like the water in the latrine.  I do not like the sent (scent) of the latrines.  The school latrines is	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is clean.  The school VIP latrines is clean.
465 Male 466 Female 467 Female 468 Male 469 Male 470 Male	years  12-17 years	5 Yes  5 Yes  5 Yes  5 No  5 Yes  5 Yes  5 No  5 Yes  5 Yes	1 time a week  1 time a week  2-3 times a week 1 time a month 1 time a month 2-3 times a week No answer	Clean  Dirty  Very Dirty  Very Dirty  Clean  Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Comfortable  Not Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) good, it small (smell) yet bad.  Is not good The school latrines not good.  The school latrines clean. The school latrine is clean. The area we use to wash our hand after use latrines is not have water.  The school look is pot commfortab it dead somall good it small (smell) bad	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good I not the hold (hole)  I do not like the sent (scent) of the latrines.  I done (don't) like the water in the latrine.  I do not like the sent (scent) of the latrines.  The school latrines is	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good. The school VIP latrines is good. Is very dirty.  The school VIP latrines is clean.  The school VIP latrines is dean.  The school VIP latrines is dean.
465 Male  466 Female  467 Female  468 Male  470 Male  471 Male  472 Female	years  12-17 years	5 Yes  5 Yes  5 No  5 No  5 Yes  5 No  5 No  5 Yes  5 No	1 time a week  1 time a week  2-3 times a week  1 time a month  1 time a month  2-3 times a week  1 time a week  2-3 times a week  2-3 times a week	Clean Dirty Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Safe  Not Safe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Comfortable  Not Comfortable	The school latrines is not comfortable it does small (smell) year, bad, it small (smell) year, bad. It snot good, it small (smell) way bad. Is not good. It small (smell) way bad. Is not good. The school latrines not good.  The school latrine is clean. The school latrine is clean. The area we use to wash our hand after use latrines is not have weath. The school look is pot commortable it dead somall good it small (smell) bad. The school latrines is not comfortable it does not comfortable it does not	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad  everything is not good  I not the hold (hole)  I do not like the sent (scent) of the latrines.  I done (don't) like the water in the latrine.  I do not like the sent (scent) of the latrines.  The school latrines is very bod	Private pit latrine  Private VIP latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is clean.  The school VIP latrines is clean.
465 Male 466 Female 467 Female 468 Male 469 Male 470 Male	years  12-17 years	5 Yes  5 Yes  5 Yes  5 No  5 Yes  5 Yes  5 No  5 Yes  5 Yes	1 time a week  1 time a week  2-3 times a week  1 time a month  2-3 times a week  No answer  2-3 times a week	Clean  Dirty  Very Dirty  Very Dirty  Clean  Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Comfortable  Not Comfortable	The school latrines is not comfortable it does small (smell) you, it small (smell) you, but have been small (smell) were been so the school latrines not good.  The school latrine is clean. The school latrine is not so wash our hand after use latrines is not have weet. The school look is pot commfortable it dead somall good it small (smell) bad	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good I not the hold (hole) I do not like the sent (scent) of the latrines. I done (don't) like the water in the latrine. I do not like the sent (scent) of the latrines. I do not like the sent (scent) of the latrines.	Private pit latrine  Private VIP latrine  Private pit latrine  Private pit latrine  Private pit latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is dean.  The school VIP latrines is dean.  The school VIP latrines is dean.
465 Male 466 Female 467 Female 468 Male 469 Male 470 Male 471 Male 472 Female	years  12-17 years	5 Yes  5 Yes  5 Yes  5 No  5 Yes  5 No  5 Yes  5 No  5 Yes  5 No  5 Yes	1 time a week  1 time a week  2-3 times a week 1 time a month 1 time a month 1 time a week No answer  2-3 times a week  2-3 times a week	Dirty  Very Dirty  Very Dirty  Clean  Dirty  Very Dirty  Cley  Cley  Very Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Not Safe  Not Safe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Not Comfortable  Not Comfortable  Not Comfortable	The school latrines is not comfortable it does small (smell) good, it small (smell) good, it small (smell) year) bad.  Is notgood The school latrines not good.  The school latrines dean. The school latrine is dean. The area we use to wash our hand after use latrines is not have water. The school latrine is dean. The school latrine is fanct own in the school latrine is not have water. The school look is pot connifortable tides own all good it small (smell) bad The school latrines is not comfortable it does not smell food, it small bad	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good  I not the hold (hole)  I do not like the sent (scent) of the latrines.  I do not like the sent (scent) of the latrines.  I do not like the sent (scent) of the latrines is very bad  The school latrines is very bad  I do not like the sent (scent) of the latrines is very bad	Private pit latrine  Private VIP latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is clean.  The school VIP latrines is clean.
465 Male  466 Female  467 Female  468 Male  469 Male  470 Male  471 Male	years  12-17 years	5 Yes  5 Yes  5 No  5 No  5 Yes  5 No  5 No  5 Yes  5 No	1 time a week  1 time a week  2-3 times a week  1 time a month  1 time a month  2-3 times a week  1 time a week  2-3 times a week  2-3 times a week	Dirty  Very Dirty  Very Dirty  Clean  Dirty  Very Dirty  Cley  Cley  Very Dirty	Not Safe  Not Safe  Very Unsafe  Not Safe  Safe  Safe  Not Safe  Not Safe	Not Comfortable  Not Comfortable  Very Uncomfortable  Not Comfortable  Comfortable  Comfortable  Not Comfortable	The school latrines is not comfortable it dead small (smell) good, it small (smell) good, it small (smell) yet bad. Is not good. It small (smell) very bad. Is not good. The school latrines not good.  The school latrines is clean. The school latrine is clean. The school latrine is clean. The school latrine is not have water. The school look is pot commfortable it dead somall good it small (smell) bad comfortable it does not smell food, it small bad. The school latrines is not comfortable it does not smell food, it small bad.	good  Everything is very very bad, I do not like the hold (hole) too good  The school latrines is very very bad everything is not good  I not the hold (hole)  I do not like the sent (scent) of the latrines.  I do not like the sent (scent) of the latrines.  I do not like the sent (scent) of the latrines is very bad  The school latrines is very bad  I do not like the sent (scent) of the latrines is very bad	Private pit latrine  Private VIP latrine  Private pit latrine	very clean  The school VIP latrines is very very good  The school VIP latrines is very good.  The school VIP latrines is good.  Is very dirty.  The school VIP latrines is clean.  The school VIP latrines is clean.

	12-17							My school latrines is because if you go in the latrines you will		
476 Male	years	5 No	No answer	Dirty	Not Safe	Not Comfortable	The school is not safe The latrines is not safe but	wee pu right at	Private VIP latrine	is very clean
	12-17						we just wave to mager (manage) it because we		Shared pour-flush	Oh yes, the latrines is very
477 Male	years	5 Yes	1 time a week	Clean	Safe	Comfortable	don't have	The latrines is not bad		moust steand
478 Female	7-11 vears	4 No	1 time a week	Verv Clean	Very Safe	Very Comfortable	The school is very clean	The school latrines is very good	Private pit latrine	The school VIP latrines is vrav
479 Male	12-17	4 No					The school latrines is very clean.	The school latrines is	Data are are landar	The school VIP latrines is
4/9 IVIale	years 12-17	4 NO	1 time a week	very clean	Very Safe	Very Comfortable		very good. The school latrines is	Private pit latrine	very save The school VIP latrines is
480 Female	years 12-17	4 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	dean. The school latrines dan	very good The school latrines	Private pit latrine	very safe The school latrines is very
481 Female	years	4 Yes	1 time a week	Very Clean	Very Safe	No answer	(clean)	very	Private pit latrine	good.
482 Female	12-17 years	4 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	The school latrines clan (clean)	The school latrines is very	Private pit latrine	The school latrines is very good.
483 Female	12-17	4 Yes	1 time a week	Vany Class		Very Comfortable	The school latrines clan (clean)	The school latrines is very clan.	Private pit latrine	The school latrines is very
	years 12-17				Very Safe		The school latrines is very	The school latrines is		good. The school VIP latrines is
484 Female	years 12-17	4 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	dean. The school latrines is very	very good. The school latrines is	Private pit latrine	very safe. The school VIP latrines is
485 Female	years	4 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	dean.	very good.	Private pit latrine	very safe.
486 Female	12-17 years	4 Yes	1 time a week	Very Clean	Very Safe	Very Comfortable	The school latrines dan (dean)	The school latrines is very	Private pit latrine	The school latrines is very good.
487 Male	12-17 years	4 No	No answer	Very Dirty	Not Safe	Not Comfortable	The latrines is not good.	The school latrines is smells.	Shared pit latrine	We need pump and latrines.
	12-17						I don like the latrines, it is	The latrines is not		14011000
488 Female	years 12-17	4 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	very dirty.	comfortable for us. The school latrines is	Private pit latrine	The school latrines is nut
489 Male	years	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	The first day	smells every day.	Private VIP latrine	new for using
490 Male	12-17 years	4 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable		The school latrines smells	Private pour-flush commode	We need pump (drawing).
491 Male	12-17 years	4 Yes	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable	The first day went day fsel	The school latrines is smells	Private pour-flush commode	We nine pump (drawing).
IFIGIC	No	+ 163		. S. J. Dilley	7G7 Olisale	, si y or control table			oc.minous	** Trune bounk for easy RV
492 Female	answe r	4 No	2-3 times a month	Very Dirty	Not Safe	Not Comfortable	The school latrines is dirty	The school latrines smells	Outside (Bush)	We ane a pump
	12-17		2-3 times a					Security and all the	el Lactur	100000000000000000000000000000000000000
493 Female	years 12-17	4 No	month	Very Dirty	Very Unsafe	Not Comfortable	Thus masik	The school latrines can	Shared pit latrine	punp I one our latrines to smell
494 Male	years	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	The latrines is not safe.	smell	Outside (Bush)	good. We went flush commode
	12-17						The school latrines is not		Private pour-flush	and pump your do sun for
495 Male	years	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	good.	smells every day	commode	good. Always wash your hand
00000	12-17	927		201 523	9101 B 31	eville a river	The school is note not			with soap and water to
496 Male	years 12-17	4 Yes	Every day 2-3 times a	Very Clean	Not Safe	Not Comfortable	good	The every day smells People luru to pupu is	Private pit latrine	prevent diarrhea.  The anny and the latrines
497 Female	years	4 Yes	week	Very Dirty	Not Safe	No answer		dy	No answer	is pit good
	12-17		Less than							
498 Male	years	4 No	once a month	Very Dirty	Not Safe	Very Comfortable		The latrines is dy	Private pit latrine	The latrines dy
										The VIP latrines is not good for me so we want
								The school latrines is		your to help me so what
499 Male	12-17 years	4 Yes	Every day	Very Dirty	Not Safe	Very Uncomfortable	The school latrines halp (help) me.	very smells make me sick	No answer	are cannot get sack (sick).  God time is the best.
155 141615	Joans	1 100	2101001	1010101	110 0 0 0 10	yory ornestmentable			110 01.040	
	12-17						They good thing the latrine they for us is good	The bad thing about the school latrines is		We want a good latrines in is school in J.C. Barlee
500 Male	years	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	thing who humon body	smells bad	Private pit latrine	who wantget a big pump.
								The school latrines is		
501 Male	12-17 vears	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable		very dirty is can not give our good safe	Outside (Bush)	We one (want) pump in our school.
				, =7		23010	The value of the second			I love commode and god
502 Male	12-17 years	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	The school latrines is not good	The school latrines smell every day	Private pour-flush commode	(good) water to be on this school.
										No safe, the latrines is not safe, we need flush
	12-17						THE POST OF THE PO	The school latrines it	-	commode and some other Outside (bush) a
and the state of t		4 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable	The school latrines sefe	can smell very by	Other	thing private VIP latri
503 Female	years						The school latrines is very	The school latrines is		We need flsuh commode
	12-17	4 7	1 6	Many District	Nat Cof-	Nat Camf		more distri		
	12-17 years	4 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable	dean	very dirty	Shared pit latrine	and some only things
504 Female	12-17 years						dean The school latrines is build	The school latrines is		We need flush commode
504 Female	12-17 years 12-17 years	4 Yes	1 time a week  Every day	Very Dirty Very Dirty	Not Safe Very Unsafe	Not Comfortable  Very Uncomfortable	dean The school latrines is build good	The school latrines is very dirty	Shared pit latrine	We need flush commode and some only things Hove commode water to
504 Female 505 Female	12-17 years		Every day				dean The school latrines is build	The school latrines is very dirty		We need flush commode and some only things
504 Female 505 Female	12-17 years 12-17 years 12-17	4 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	dean The school latrines is build good The school latrines is not safe	The school latrines is very dirty  The school latrines is smells everyday  The place is ver di bad	Shared pit latrine Private pour-flush	We need flush commode and some only things I love commode water to be latrine. Peterline Bao
504 Female 505 Female	12-17 years 12-17 years 12-17 years	4 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	dean The school latrines is build good The school latrines is not safe I free bye (feel bad) about my school latrines why	The school latrines is very dirty  The school latrines is smells everyday  The place is ver di bad  Why I sunt the place is good elfen (even)	Shared pit latrine Private pour-flush	We need flush commode and some only things I love commode water to be latrine. Peterline Bao
504 Female 505 Female 506 Female	12-17 years 12-17 years 12-17 years	4 Yes 4 Yes	Every day	Very Dirty Very Dirty	Very Unsafe Not Safe	Very Uncomfortable  Not Comfortable	dean The school latrines is build good The school latrines is not safe I free bye (feel bad) about my school latrines why (we) are free by (but) is	The school latrines is very dirty  The school latrines is smells everyday The place is ver di bad Why I sunt the place is good elfen (even) about our school	Shared pit latrine Private pour-flush commode	We need flush commode and some only things I love commode water to be latrine. Peterline Bao
503 Female 504 Female 505 Female 506 Female 507 Male	12-17 years 12-17 years 12-17 years	4 Yes	Every day	Very Dirty	Very Unsafe Not Safe	Very Uncomfortable  Not Comfortable	dean The school latrines is build good The school latrines is not safe I free bye (feel bad) about my school latrines why (we) are free by (but) is	The school latrines is very dirty  The school latrines is smells everyday  The place is ver di bad  Why I sunt the place is good elfen (even)	Shared pit latrine Private pour-flush	We need flush commode and some only things I love commode water to be latrine. Peterline Bao pump
504 Female 505 Female 506 Female	12-17 years 12-17 years 12-17 years	4 Yes 4 Yes	Every day	Very Dirty Very Dirty	Very Unsafe Not Safe	Very Uncomfortable  Not Comfortable	dean The school latrines is build good The school latrines is not safe I free bye (feel bad) about my school latrines why (we) are free by (but) is	The school latrines is very dirty  The school latrines is smells everyday The place is ver di bad Why I sunt the place is good elfen (even) about our school	Shared pit latrine Private pour-flush commode	We need flush commode and some only things I love commode water to be latrine. Peterline Bao
504 Female 505 Female 506 Female 507 Male	12-17 years 12-17 years 12-17 years 12-17 years 12-17 years	4 Yes 4 Yes 4 Yes	Every day  Every day  Every day	Very Dirty  Very Dirty  Very Dirty	Very Unsafe  Not Safe  Very Unsafe	Very Uncomfortable  Not Comfortable  Very Uncomfortable	dean The school latrines is build good The school latrines is not safe I free bye (feel bad) about my school latrines why (we) are free by (but) is the place is air undirty. The good thing about the latrines around is very	The school latrines is very dirty  The school latrines is smells everyday  The place is ver di bad Why I sunt the place is good elfen (even) about our school latrine  the latrines is very	Shared pit latrine  Private pour-flush commode  Private pit latrine	We need flush commode and some only things  I love commode water to be latrine. Peterline Bao pump  When avery (ever) we set in this class that latrines smally eith the class so I
504 Female 505 Female 506 Female	12-17 years 12-17 years 12-17 years 12-17 years	4 Yes 4 Yes	Every day	Very Dirty Very Dirty	Very Unsafe  Not Safe  Very Unsafe	Very Uncomfortable  Not Comfortable	dean The school latrines is build good The school latrines is not safe. I free bye (feel bad) about my school latrines why (we) are free by (but) is the place is air undirty. The good thing about the	The school latrines is very dirty  The school latrines is smells everyday  The place is ver di bad Why! sunt the place is good elfen (even) about our school latrine	Shared pit latrine Private pour-flush commode	We need flush commode and some only things  I love commode water to be latrine. Peterline Bao pump  When avery (ever) we set in this class that latrines
504 Female 505 Female 506 Female 507 Male	12-17 years 12-17 years 12-17 years 12-17 years 12-17 years	4 Yes 4 Yes 4 Yes	Every day  Every day  Every day	Very Dirty  Very Dirty  Very Dirty	Very Unsafe  Not Safe  Very Unsafe	Very Uncomfortable  Not Comfortable  Very Uncomfortable  Not Comfortable	dean The school latrines is build good The school latrines is not safe I free bye (feel bad) about my school latrines why (we) are free by (but) is the place is air undirty. The good thing about the latrines around is very	The school latrines is very dirty  The school latrines is smells everyday  The place is very day  The place is ser di bad Why I sunt the place is good elfen (even) about our school latrine  the latrines is very dirty The school latrines is	Shared pit latrine  Private pour-flush commode  Private pit latrine	We need flush commode and some only things  I love commode water to be latrine. Peterline Bao pump  When avery (ever) we set in this class that latrines smally eith the class so I

							I free bye (feel bad) about	The place is bad Why I			
							my school latrines why	saw (say) the place is			
	12-17						(we) are free by (but) is the place is air undirty	bay (bad) is no good dean about our school			private VIP latri Private pour-flu
510 Male	years	4 No	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable		latrines	Other		commode
	12-17	446	- 1					d 1 - 1 - 1	ol lund	we one (want) private	
511 Female	years	4 Yes	Every day	Very Clean	Not Safe	Very Uncomfortable	isnotgood	the latrine is smells	Shared VIP latrine	pour flush commode we went (want) new	
	12-17						because if you come to	the latrines smellsvery		latrines this latrines is very bad and if you do that for	
512 Male	years	4 Yes	Every day	Very Dirty	Not Safe	Very Uncomfortable	school if you not latrines	bad	Outside (Bush)	us we will thank you	
513 Male	12-17 years	4 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	the school latrines is very	the bad fo the school is dirty	Private pit latrine		
020111010	yours	1,100	ara juaj	10,70,10,	tory or loans	Tory or normal sauce			THIS PICTOR III	The school latrines is very	
	12-17						The school latrine is very	The school latrines is very clean is semells		dirty we one (want) new latrines in arer (our)	
514 Male	years	4 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable		every day	Private VIP latrine	school	
515 Female	12-17 years	4 No	Every day	Very Dirty	Not Safe	Not Comfortable	The school is dirty		Private VIP latrine	for you to porty latrine	
515 Terridie	years	4.140	Every day	va y bii cy	1400 3310	Not connortable	The serios is direy		THIRD THE STATE OF		
										The school latrine is not good forry ever body The	
										school latrine meat (need)	
516 Male	12-17 years	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	The school latrines is not good	The school latrines is smells everyday	Private pour-flush commode	flush commode and water pale	
DIO IVIDIO	years	7103	LVCI y Gdy	Very Direy	NOC SEIC	140CCOIIIIOICADIC	The latrine is good same	sitions everyday	commode	paic	
	12.17						time (sometime) to me I	The school lety's		I love the commode and	
517 Male	12-17 years	4 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	love the will (way) the latrines look	The school latrines smells everyday	Private pit latrine	water by Prince Barley Teddy Jr	
	Areamore						The school latrines is	MANUAL PROPERTY OF THE			
518 Female	12-17 years	4 Yes	Every day	Clean	Very Unsafe	Not Comfortable	derty and by (dirty and bad)	The latrines is not comfortable for us.	Private pit latrine	The school. I need a water place	
	,								and pro-sale title		
							Like the way TWI student dean it sometime it can	When we seat (sit) in class the latrine can		Yes TWI latrines can be us by VIP latrine are (I) did	
	12-17						not smell it can smell	smell and it is not		not like the way it can	
519 Male	years	4 Yes	Every day	Clean	Very Safe	Very Comfortable	good	dean	Outside (Bush)	smell when we in class	
								The school latrines is			
								by becor (bad because)		Are (I) once (want) you to	
520 Male	12-17 years	4 Yes	Every day	Clean	Safe	Comfortable	The school latrine is derty and by (dirty and Bad)	the pupu can on the grown (ground)	Private pit latrine	put very comfortable latrines	
DZO IVIDIO	years	4163	Lvery day	Credit	Sale	Connortable	and by fairty and bady	grown (Broand)	r it vate pit latilile	laulies	
										When every we set (sit) in	
							the good thing about the			this class the latrines smallye (smell) in the	
	12-17						latrines is around it is very			class. So I want your to	
521 Female	years	4 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	dean	dirty	Shared pit latrine	chnege (change) it.	private VIP latri
	12-17						the school latrines is very	the school latrine is			Private pour-flu
522 Female	years	4 Yes	Every day	Very Dirty	Safe	Very Uncomfortable		not every smell bay	Other		commode
	12-17						become if you come to	the school latrines it		We once (want) the	
523 Female	years	4 Yes	1 time a week	Very Dirty	Not Safe	Very Uncomfortable		smells	Private pit latrine	private IVP latrine	
	12-17		2-3 times a								Private pit latrir Private pour-flu
524 Female	years	4 No	month	Dirty	Very Unsafe	Not Comfortable	thus school		Other	school	commode
	12-17						The school latrines is not build good	The school latrines is not safe	Private pit latrine	No safe latrines the VIP latrines is not safe	
525 Famola	wages	A Vas	1 time a week	Many Dirby	Not Safa	Not Comfortable	balla good	nocourc	r rivace pretactine	Tau inceremote suite	
525 Female	years	4 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable					
525 Female		4 Yes	1 time a week	: Very Dirty	Not Safe	Not Comfortable	-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	0-1-17-1		The only bad things is	
525 Female 526 Male	years 12-17 years	4 Yes	1 time a week	Very Dirty	Not Safe  Very Safe		The latrines of the school is very good and safe	Our school did not have a good commode	Outside (Bush)	The only bad things is about the commode because it smell very bad	
	12-17 years						is very good and safe because the school	have a good commode The bed (bad) part of	Outside (Bush)	about the commode	
526 Male	12-17 years 12-17	4 Yes	Every day	Very Clean	Very Safe	Very Uncomfortable	is very good and safe because the school latrines is very dirty that is	have a good commode The bed (bad) part of the latrines is to ugly		about the commode because it smell very bad	
526 Male 527 Female	12-17 years					Very Uncomfortable  Not Comfortable	is very good and safe because the school latrines is very dirty that is not safe for us	have a good commode The bed (bad) part of the latrines is to ugly and dirty the very dirty to us so	Private VIP latrine	about the commode	
526 Male	12-17 years 12-17 years 12-17 years	4 Yes	Every day	Very Clean	Very Safe	Very Uncomfortable	is very good and safe because the school latrines is very dirty that is	have a good commode The bed (bad) part of the latrines is to ugly and dirty the very dirty to us so we need latrines		about the commode because it smell very bad the school VIP altr the VIP latrines is very good	
526 Male 527 Female	12-17 years 12-17 years 12-17 years 12-17	4 Yes 4 No	Every day  Every day	Very Clean  Very Dirty  Very Dirty	Very Safe Not Safe	Very Uncomfortable  Not Comfortable	is very good and safe because the school latrines is very dirty that is not safe for us	have a good commode The bed (bad) part of the latrines is to ugly and dirty the very dirty to us so	Private VIP latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very	
526 Male 527 Female 528 Male	12-17 years 12-17 years 12-17 years 12-17	4 Yes 4 No 4 Yes	Every day  Every day  Every day	Very Clean  Very Dirty  Very Dirty	Very Safe  Not Safe  Not Safe	Very Uncomfortable  Not Comfortable  Very Comfortable	is very good and safe because the school latrines is very dirty that is not safe for us the latrines is very good	have a good commode The bed (bad) part of the latrines is to ugly and dirty the very dirty to us so we need latrines this school make me	Private VIP latrine Private VIP latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir	
526 Male 527 Female 528 Male	12-17 years 12-17 years 12-17 years 12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  Every day	Very Clean  Very Dirty  Very Dirty	Very Safe  Not Safe  Not Safe	Very Uncomfortable  Not Comfortable  Very Comfortable	is very good and safe because the school lattines is very dirty that is not safe for us the latrines is very good I fritt about my school latrines why ae tret by is	have a good commode The bed (bad) part of the latrines is to ugly and dirty the very dirty to us so we need latrines this school make me	Private VIP latrine Private VIP latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir	
526 Male 527 Female 528 Male	12-17 years 12-17 years 12-17 years 12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  Every day  1 time a week	Very Clean  Very Dirty  Very Dirty	Very Safe  Not Safe  Not Safe	Very Uncomfortable  Not Comfortable  Very Comfortable	is very good and safe because the school lattines is very dirty that is not safe for us the lattines is very good I fitt about my school lattines why ac tret by is the place is undirty (very	have a good commode The bed (bad) part of the latrines is to ugly and dirty the very dirty to us so we need latrines this school make me	Private VIP latrine Private VIP latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir	
526 Male 527 Female 528 Male 529 Female 530 Female	12-17 years 12-17 years 12-17 years 12-17 years 12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a	Very Clean  Very Dirty  Very Dirty  Very Clean  Very Dirty	Very Safe  Not Safe  Not Safe  Safe  Not Safe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Very Uncomfortable	is very good and safe because the school laterines is very dirty that is not safe for us the latrines is very good  I fritt about my school latrines why ae tret by is the place is undirty (very dir)	have a good commode The bed (bad) part of the latines is to ugly and cirty the very dirty to us so we need latrines this school make me seplea by everything is bad	Private VIP latrine Private VIP latrine Outside (Bush) Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine	
526 Male 527 Female 528 Male 529 Female 530 Female	12-17 years 12-17 years 12-17 years 12-17 years	4 Yes 4 No 4 Yes 4 Yes	Every day  Every day  Every day  1 time a week	Very Clean  Very Dirty  Very Dirty  Very Clean	Very Safe  Not Safe  Not Safe  Safe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable	is very good and safe because the school lattines is very dirty that is not safe for us the lattines is very good I fitt about my school lattines why ac tret by is the place is undirty (very	have a good commode The bed (bad) part of the latrines is to ugly and drty the very dirty to us so we need latrines this school make me seplea by	Private VIP latrine Private VIP latrine Outside (Bush)	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female	12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a	Very Clean  Very Dirty  Very Dirty  Very Clean  Very Dirty  Very Dirty  Very Dirty	Very Safe  Not Safe  Not Safe  Safe  Not Safe  Not Safe	Very Uncomfortable Not Comfortable Very Comfortable Not Comfortable Very Uncomfortable Not Comfortable	is very good and safe because the school latifines is very dirty that is not safe for us the latifines is very good I firtt about my school latifines why ac tret by is the place is undirty (very dir) the school is dirty	have a good commode The bed (bad) part of the latines is to ugly and drity the very dirty to us so we need latrines this school make me seplea by everything is bad the school smell people wate to pupu	Private VIP latrine Private VIP latrine Outside (Bush) Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you wot to come to bowst weat to you come	
526 Male 527 Female 528 Male 529 Female 530 Female	12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week	Very Clean  Very Dirty  Very Dirty  Very Clean  Very Dirty	Very Safe  Not Safe  Not Safe  Safe  Not Safe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Very Uncomfortable	is very good and safe because the school latifines is very dirty that is not safe for us the latifines is very good I firtt about my school latifines why ac tret by is the place is undirty (very dir) the school is dirty	have a good commode The bed (bad) part of the latines is to ugly and drity the very diffy to us so we need latrines this school make me seplea by everything is bad the school smell	Private VIP latrine Private VIP latrine Outside (Bush) Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine the VIP latrines.	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female	12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a	Very Clean  Very Dirty  Very Dirty  Very Clean  Very Dirty  Very Dirty  Very Dirty	Very Safe  Not Safe  Not Safe  Safe  Not Safe  Not Safe	Very Uncomfortable Not Comfortable Very Comfortable Not Comfortable Very Uncomfortable Not Comfortable	is very good and safe because the school latines is very dirty that is not safe for us the latines is very good.  I frtt about my school latines winy act tet by is the place is undirty (very dir) the school is dirty.	have a good commode The bed (bad) part of the latrines is to ugly and drity the very dirty to us so we need latrines this school make me seplea by  everything is bad the school small people wate to pupu come the our school latrines do	Private VIP latrine Private VIP latrine Outside (Bush) Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine the VIP latrines.  I you won to come to bowat weat to you come to bowat the vouc of the vip latrines the vip latrines to bowat the only bad things is the	
526 Male 527 Female 528 Male 529 Female 520 Female 531 Female 532 Male	12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week	Very Clean Very Dirty Very Dirty Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Very Safe  Not Safe  Not Safe  Safe  Not Safe  Very Safe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	Is very good and safe because the school laterines is very glory that is not safe for us the latrines is very good  I fittaboutmy school latrines why ac tret by is the place is undirty (very dir) the school is dirty  I wat come  the school is very good for the school is very good f	have a good commode The bed (bad) part of the latines is to ugly and drity the very diffy to us so we need latrines this school make me seplea by  everything is bad the school smell people wate to pupu come the our school latrines do not have good	Private VIP latrine  Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine the VIP latrines is very good the VIP latrine private pir latrine.	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female	12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a	Very Clean  Very Dirty  Very Dirty  Very Clean  Very Dirty  Very Dirty  Very Dirty	Very Safe  Not Safe  Not Safe  Safe  Not Safe  Very Safe	Very Uncomfortable Not Comfortable Very Comfortable Not Comfortable Very Uncomfortable Not Comfortable	Is very good and safe because the school laterines is very glory that is not safe for us the latrines is very good  I fittaboutmy school latrines why ac tret by is the place is undirty (very dir) the school is dirty  I wat come  the school is very good for the school is very good f	have a good commode The bed (bad) part of the latrines is to ugly and drity the very dirty to us so we need latrines this school make me seplea by  everything is bad the school small people wate to pupu come the our school latrines do	Private VIP latrine Private VIP latrine Outside (Bush) Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you wor to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.	
526 Male 527 Female 528 Male 529 Female 520 Female 531 Female 532 Male	12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week	Very Clean Very Dirty Very Dirty Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Very Safe  Not Safe  Not Safe  Safe  Not Safe  Very Safe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	is very good and safe because the school laterines is very good.  If fitta bout my school latrines why ae tree by is the place is undirty (very dir).  I wat come  the school is dirty.	have a good commode The bed (bad) part of the latines is to ugly and cirty the very dirty to us so we need latrines this school make me seplea by  everything is bad the school smell people wate to pupu come the our school latrines do not have good commode	Private VIP latrine  Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you wot to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.  The school latrines is not	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female 532 Male	12-17 years	4 Yes 4 No 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week	Very Clean Very Dirty Very Dirty Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty	Very Safe  Not Safe  Not Safe  Not Safe  Very Safe  Very Safe  Very Unsafe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable	Is very good and safe because the school laterines is very dirty that is not safe for us the latrines is very good  I fitt about my school latrines why ae tret by is the place is undirty (very dir)  I wat come  the school is dirty  I wat come  I don like the latrines, it is	have a good commode The bed (bad) part of the latines is to ugly and cirty the very dirty to us so we need latrines this school make me seplea by  everything is bad the school smell people wate to pupu come the our school latrines do not have good commode	Private VIP latrine  Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you wor to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female 532 Male	12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week  Every day	Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty Very Clean Very Clean	Very Safe  Not Safe  Not Safe  Not Safe  Very Safe  Very Safe  Very Unsafe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable  Very Uncomfortable	Is very good and safe because the school laterines is very dirty that is not safe for us the latrines is very good  I fitt about my school latrines why ae tret by is the place is undirty (very dir)  I wat come  the school is dirty  I wat come  I don like the latrines, it is	have a good commode The bed (bad) part of the latines is to ugly and drity the very dirty to us so we need latrines this school make me seplea by everything is bad the school smell people wate to pupu come the our school latrines do not have good commode  The latrines is not	Private VIP latrine  Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine  Private VIP latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you won to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.  The school latrines is not safe. The latrine is dirty. I need a water place.	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female 532 Male	12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week  Every day	Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty Very Clean Very Clean	Very Safe  Not Safe  Not Safe  Not Safe  Very Safe  Very Safe  Very Unsafe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable  Very Uncomfortable	Is very good and safe because the school laterines is very dirty that is not safe for us the latrines is very good  I fitt about my school latrines why ae tret by is the place is undirty (very dir)  I wat come  the school is dirty  I wat come  I don like the latrines, it is	have a good commode The bed (bad) part of the latines is to ugly and drity the very dirty to us so we need latrines this school make me seplea by everything is bad the school smell people wate to pupu come the our school latrines do not have good commode  The latrines is not	Private VIP latrine  Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine  Private VIP latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you won to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.  The school latrines is not safe, The latrine is dirty. I need a water place.	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female 532 Male 533 Male 534 Female	12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week  Every day	Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty Very Clean Very Clean	Very Safe  Not Safe  Not Safe  Not Safe  Very Safe  Very Safe  Very Unsafe	Very Uncomfortable Not Comfortable Very Comfortable Not Comfortable Not Comfortable Very Uncomfortable Very Uncomfortable Very Uncomfortable Very Uncomfortable	Is very good and safe because the school laterines is very dirty that is not safe for us the latrines is very good  I fitt about my school latrines why ae tret by is the place is undirty (very dir)  I wat come  the school is dirty  I wat come  I don like the latrines, it is	have a good commode The bed (bad) part of the latrines is to ugly and drity the very diffus to us so we need latrines this school make me seplea by  everything is bad the school smell people wate to pupu come the our school latrines do not have good commode  The latrines is not comfortable for us.	Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine  Private VIP latrine  Private VIP latrine  Private pit latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you won to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.  The school latrines is not safe. The latrine is dirty. I need a water place.	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female 532 Male	12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week  Every day  Every day	Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Dirty Very Clean Very Clean	Very Safe  Not Safe  Not Safe  Not Safe  Very Safe  Very Safe  Very Unsafe	Very Uncomfortable  Not Comfortable  Very Comfortable  Not Comfortable  Not Comfortable  Very Uncomfortable  Very Uncomfortable  Very Uncomfortable	Is very good and safe because the school laterines is very dirty that is not safe for us the latrines is very good.  I firtt about my school latrines why ac tret by is the place is undirty (very dirt).  I wat come the school is very good for us and safe us  I don like the latrines. It is very dirty.	have a good commode The bed (bad) part of the latrines is to ugly and drity the very diffus to us so we need latrines this school make me seplea by  everything is bad the school smell people wate to pupu come the our school latrines do not have good commode  The latrines is not comfortable for us.	Private VIP latrine Private VIP latrine Outside (Bush) Shared pit latrine Shared pit latrine Private VIP latrine Private VIP latrine	about the commode because it smell very bad the school VIP altr the VIP latrines is very good the VIP latrine private pir latrine.  I you won to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.  The school latrines is not safe. The latrine is into safe. The latrine is dirty. I need a water place.  The VIP latrines is not say (safe) for the student. We	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female 532 Male 533 Male 534 Female	12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week  Every day  Every day	Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Clean Very Clean Very Clean Very Clean	Very Safe  Not Safe  Not Safe  Safe  Not Safe  Very Safe  Very Unsafe  Very Unsafe	Very Uncomfortable Not Comfortable Very Comfortable Not Comfortable Not Comfortable Very Uncomfortable Very Uncomfortable Very Uncomfortable Very Uncomfortable	Is very good and safe because the school latrines is very dirty that is not safe for us the latrines for us the latrines for us the latrines for us the latrines why act ret by is the place is undirty (very dirt).  I wat come the school is dirty  I wat come  I don like the latrines, it is very dirty.  Foot the latrines good the	have a good commode the bed (bad) part of the latines is to ugly and drity the very dirty to us so we need latrines this school make me seplea by everything is bad the school smell people wate to pupu come the our school latrines do not have good commode.  The latrines is not comfortable for us.	Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine  Private VIP latrine  Private VIP latrine  Private pit latrine	about the commode because it smell very bad the school VIP altr the WIP latrines is very good the VIP latrines is very good the VIP latrine private pir latrine.  I you wor to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.  The school latrines is not safe. The latrine is dirty. I need a water place.  The VIP latrines is not say (safe) for the student. We name say (need safe)	
526 Male 527 Female 528 Male 529 Female 530 Female 531 Female 532 Male 533 Male 534 Female	12-17 years	4 Yes 4 No 4 Yes	Every day  Every day  1 time a week  Every day  2-3 times a week  2-3 times a week  Every day  Every day	Very Clean Very Dirty Very Dirty Very Dirty Very Dirty Very Clean Very Clean Very Clean Very Clean	Very Safe  Not Safe  Not Safe  Safe  Not Safe  Very Safe  Very Unsafe  Very Unsafe	Very Uncomfortable Not Comfortable Very Comfortable Not Comfortable Not Comfortable Very Uncomfortable Very Uncomfortable Very Uncomfortable Very Uncomfortable	is very good and safe because the school latines is very good. If the latines is very good. If the latines is very good. If the latines is very good altines why ae tree by is the place is undirty (very dir). If wat come the school is dirty. If wat come the school is very good for us and safe us. If don't like the latines, it is very dirty.  Foot the latines good the latines good the latines ayof all because all the school.	have a good commode the bed (bad) part of the latines is to ugly and drity the very dirty to us so we need latrines this school make me seplea by everything is bad the school smell people wate to pupu come the our school latrines do not have good commode.  The latrines is not comfortable for us.	Private VIP latrine  Outside (Bush)  Shared pit latrine  Shared pit latrine  Private VIP latrine  Private VIP latrine  Private pit latrine	about the commode because it smell very bad the school VIP altr the WIP latrines is very good the VIP latrines is very good the VIP latrine private pir latrine.  I you wor to come to bowat weat to you come to bowat the only bad things is the commode because it small (smell) very bad.  The school latrines is not safe. The latrine is dirty. I need a water place.  The VIP latrines is not say (safe) for the student. We name say (need safe)	

537 Female	12-17 years	4 Yes	1 time a week	: Very Clean	Safe	Very Uncomfortable	The latrine is very good to me. Bet (but) not safe for us.	for let them build new	other	The school latrines is try bet (but) the children using not that was	Outisde, private po flush commode, shared pour-flush commode
538 Male	12-17	4 Yes	5	Very Dirty	Not Safe	Not Comfortable	because the school latrines is very dirty then	the bad part of the latrines is because the latrines is very dirty	Other	Thank you Gog (God) bless	Private pit latrine, Private VIP latrine, Shared pit latrine
	years 12-17		Every day				Is not fain again  The school latrines is good	the school latrines is	To the design	you ma.	snared pictadine
539 Female	years	4 Yes	Every day	Very Dirty	Very Unsafe	very Uncomfortable	the school one		Shared pit latrine	×	
540 Female	12-17 years	4 Yes	Every day	Very Dirty	Very Safe	Very Uncomfortable	fonompmesnrayes (?) thank	the school is s vary is ms mie vje is vne (?)	Shared VIP latrine	the viai myions is the commdans sne snsi his (?)	
541 Male	12-17 years	4 Yes	Every day	Very Clean	Safe	Comfortable	the school latrines is derty (dirty)	grown (ground)	Private pour-flush commode	the school latrines is good	
	12-17							can or a rain the		yes are (I) do not like the way they using the	
542 Male	years 12-17	4 Yes	1 time a week	: Very Dirty	Not Safe	Not Comfortable	(lock)	latrines	Shared VIP latrine	latrines VIP latrines is very dirty	
543 Male	years	4 Yes	Every day	Very Dirty	Very Unsafe	Very Uncomfortable	the comfortable for me	the school is very dirty	Shared pit latrine	for me we have the latrines but it	
544 Female	12-17 years 12-17	4 Yes	Every day 2-3 times a	Very Clean	Safe	Very Uncomfortable	the latrines is smalling (smelling) is the punp (pump) and	is good because we can clean every our school did have a	Private VIP latrine	is very small in sain (size?). Thank for information the only bad things is the	
545 Male	years	4 Yes	week	Very Clean	Very Safe	Comfortable	latrines		Private pit latrine	cent (scent?)	
546 Male	12-17 years	4 No	Every day	Very Dirty	Not Safe	Not Comfortable	because the school latrines is very dirty that is not safe for us	the bed (bad) part of the latrines is too ugly and dirty	Private VIP latrine	the school latrines is very bye (bad) for us so your please form a new latrines for us to be safe	
547 Female	12-17 years 12-17	4 Yes	1 time a week	: Very Dirty	Not Safe	Very Uncomfortable	the school latrines is not safe	the school latrines is smelling	Private pour-flush commode	no safe drinking water and the water we can drink is smelling	
548 Male	years	5 No	1 time a week	Dirty	Not Safe	Not Comfortable	the school latrine is clean.	the water is by	Private VIP latrine	so by the school VIP by	
549 Female	12-17 years	5 Yes	2-3 times a week	Clean	Safe	Comfortable	I feel good about the school latrines because it is clean the school latrines is not		Shared pit latrine		
550 Male	12-17	F.V	2-3 times a week	Clean	Safe	Confederal	good because dirt is in the latrines		Channel of the later	The VIP latrines is very	
A.O. (10.0)	years 12-17	5 Yes	2-3 times a		24,000	Comfortable	inside the latrines is ver	window is very bad my latrines not bed	Shared pit latrine Private pour-flush	bad.	
551 Female	years 12-17	5 Yes	week 2-3 times a	Very Clean	Safe	Comfortable	good inside the latrines is ver	good my latrines not bed	commode Private pour-flush		
552 Female		5 Yes	week	Very Clean	Very Safe	Comfortable	good	good	commode		shared pit latrines
553 Female	12-17 years	5 Yes	2-3 times a week	Very Clean	Very Safe	Comfortable	inside the latrines is ver good	my latrines not bed good	Other		shared pour-flush commode private VIP latrine
554 Female	12-17 years	5 Yes	2-3 times a week	Clean	Safe	Comfortable	inside the latrines is very good	my latrines is not bad it is good	other	thank for the latrines	Private pour-flush commode
555 Male	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	the school latrines is very bad	the ho (whole) latrines is very bad	Shared pour-flush commode	the ho (whole) thing one have to say about the latrines is very bad the ho (whole) thing are	
556 Male	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	the school latrines is very bad	th ho (whole) latrines is very bad	Shared pour-flush commode	(I) have to say is to change the latrines	
557 Male	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	the school latrines is very	the ho (whole) latrines is very bad	Shared pour-flush commode	the ho (whole) thing are (I) have to say is to change the latrines	
558 Female	12-17 years	5 Yes	2-3 times a month	Very Clean	Not Safe	Not Comfortable	the school is very dirty we the school late	the school is very bad	Shared pit latrine	the school latrines is very bad it is not safe	
559 Female	12-17 years	5 No	1 time a month	Dirty		Very Uncomfortable			Private pit latrine	the school VIP is latrines good	
	12-17		No answer						Private pour-flush commode	the school latrines is very	
560 Female	years 12-17	5 Yes	No answer	Very Clean	Not Safe	Not Comfortable	the school is very dirty the school latrines is not too cleanes. Becwer (because) no good	bad of (if) you fishnt (finish) uncan the latrines on water to whast (wash) you	continude	dirty it is not safe  The VIP latrines is very	
561 Female	years	5 Yes	month	Clean	Safe	Not Comfortable	catch/carh (care?)	hands.  Around the latrines the	Shared VIP latrine	bad.	
562 Male	18-20 years	5 Yes	Every day	Dirty	Safe	Comfortable	The school latrines is very good.	latrines.	Private pour-flush commode	My comment to the is to dean the latrines.	
563 Female	12-17 years	5 No	1 time a week	Dirty	Not Safe	Not Comfortable	our school latrines is not safe it is very bed (bad)	the school is very bed (bad)	Shared pit latrine	the VIP latrines is very bed (bad)	
564 Male	12-17 years	5 No	2-3 times a week	Very Dirty	Safe	Very Uncomfortable	The school latrines is not safe but it is dirty	The latrin dool (door) and window is very bad.	Shared pit latrine	No I mades will pooping in dooy (door) gonnus?	
565 Female	12-17 years	5 No	1 time a week	: Clean	Safe	Comfortable	the school latrines is very bad	the latrines room is very bad	Private pit latrine	the school latrines is very very bad	
566 Male	12-17 years	5 Yes	2-3 times a week	Clean	Safe	Comfortable	Inside the latrines is very good	My latrines not bad good	Other		shared pit latrine shared pour-flush commode
567 Male	12-17 years	5 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	Inside the latrines room is very dirty	The latrines is very bad. They a lot cut up the grass	Private VIP latrine	I when (want) you people to please mark (make) the latrines comfortable	

568 Male	12-17 years	5 Yes	2-3 times a week	Very Dirty	Not Safe	Not Comfortable	We need a school latrines to be buil (built) because these latrines are not safe	not safe because it is	Shared pit latrine	The comments is the VIP latrines is bad	
569 Male	12-17 years	5 Yes	2-3 times a week	Very Dirty	Not Safe	Not Comfortable	We need a school latrines to be because that we need in the school	the school latrines is very bad we need a good school latrines	Outside (Bush)	The comments is the VIP latrines is bad	
570 Male	12-17 years	5 Yes	2-3 times a week	Very Dirty	Not Safe	Very Uncomfortable	the school latrines is very by (bad) because it is not clean		Other	This latrines are (I) once (want) it to be very very very good	Outside (bush), shared pit latrir shared VIP latri
571 Female	12-17 years	5 Yes	1 time a weel		Safe	Not Comfortable	the room is very bad	the school latrines is very by (bad)	Shared VIP latrine	the school latrines is bad	
	12-17						The school latrines is not			The VIP latrine is clean but	
572 Male	years 12-17	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	good because is not clean one one time it can be	smell it	Other	can not used it I wond (want) you to	shared VIP latri
573 Male	years	5 Yes	1 time a weel	c Dirty	Not Safe	Not Comfortable	good	every day it can be bad	Outside (Bush)	make the latrines good I went (want) you to	
574 Female	12-17 years	5 No answ	er No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines is not comfortable	The school latrines is ver bad	Private VIP latrine	please make your latrines dean	
575 Female	12-17 years	5 Yes	1 time a weel	c Very Dirty	Not Safe	Not Comfortable	The school look vey benefical so I can ose (use) it fast		Other	I one (want) you to make latrines better.	Outside (bush), private pour-flu commode, Shar pour-flush com
576 Male	12-17 years	5 No	1 time a week	c Very Dirty	Very Unsafe	Very Uncomfortable	The school latrines are unuseful to us it is very dirty	A school latrines are very bad because the place is not safe for us to used	Private pour-flush commode		
577 Male	12-17 years	5 No	1 time a weel	< Very Dirty	Very Unsafe	Very Uncomfortable	good so we need a safe	The pupu in the latrines is all around in latrines	Private VIP latrine	My comments regarding on the school latrines I want you people to please renovate our school latrines	
578 Male	12-17 years	5 No	1 time a	Very Dirty	Very Unsafe	Very Uncomfortable	The school latrines are are not good, so we need a safe latrines for our	The school latrines are not safe for the student and teachers in the school very dirty.	Private VIP latrine	My comments regarding VIP latrine I want you people to renovate our VIP latrines.	
579 Female	12-17 years	5 Yes	1 time a weel		Very Unsafe	Very Uncomfortable	The school latrines is very	The school latrines is bad	Private VIP latrine	The school VIP latrines is good.	
580 Female	12-17 years	5 Yes	1 time a weel		Very Unsafe	Not Comfortable	The school latrines is not comfortable	is very bad	Private VIP latrine	I want bathroom in my latrines	
581 Female	12-17	5 Yes	1 time a wee			Very Uncomfortable	Noting (nothing) is	The school latrines is bad	Private pit latrine	We need hand pump after using the latrine, we need comfortable latrine	3
582 Male	12-17 years	5 Yes	1 time a wee	< Very Dirty	Not Safe	Not Comfortable	very beneficial so I can not use it fast	What I don't like in the latrines is because they can po on the sit (seat)	Other	I thank you can please bilud (build) new latrines for the school.	Outside (bush), private pour-flu commode, Shai pour-flush com
583 Female	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines is very dirty	The school latrines is vey bay (very bad)	Private VIP latrine	I one (want) you to make latrines better.	
584 Female	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines is very dirty	the school latrines is bad	Private pour-flush commode	The school latrines is very bad the latrines is not safe. Because is very dirty The school latrines is very	
585 Female	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines is very dirty	The school latrines is very bad	Private pour-flush commode	dirty. If you in the class you samils it.	
586 Female	12-17 years	5 No	No answer	Very Dirty	Not Safe	Very Comfortable	is notgood	very bad	Outside (Bush)	the school VIP latrines is good	
587 Male	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	the school latrines is very bad	in the latrines is very bad	Shared pour-flush commode	Place (please) hap (help) up (us) with a latrines My name is Joe W Taryon	
588 Female	12-17 years	5 No	1 time a weel	c Very Dirty	Not Safe	Not Comfortable	The school latrines is not good	latrines it is bad	Shared pit latrine	I want you to please hape (help) us for your latrines	
589 Male	12-17 years	5 No	No answer	Dirty	Not Safe	Not Comfortable		very bad because pupuls all over the house	Private VIP latrine	is very clean	
590 Male	12-17 years	5 Yes	1 time a week	c Very Dirty	Not Safe	Not Comfortable	The school latrines help us to urine	The people pupu all on the floor in the latrines	Outside (Bush)	(rebuild) our latrines on the school campus	
591 Male	18-20 years	5 <b>N</b> o	1 time a weel	c Dirty	Not Safe	Not Comfortable	The school latrines is pleasant The school latrines is not	The people can pupu all on the floor and around the latrines	Outside (Bush)	I want you to repair my latrines. My latrines is not safe.	
592 Female	31 years and above	5 Yes	2-3 times a week	Very Dirty	Not Safe	Not Comfortable	comfortable it doed (don't) small (smell) good it small nery (smell very) bad.	The school latrines is very bad	Private VIP latrine	The school VIP latrines is very good.	
593 Male	12-17 years 12-17	5 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	My school latrines is good The school latrines is very		Shared VIP latrine	Palse (please) change the school latrines for us.	
	years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	dirty	bad	Private pit latrine	latrine better	

595 Male	12-17							Every things is very		The school VIP latrines is	
	years	5 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	Not thinge (nothing) good in the school latrines	very bad I don't like the hold too good (hole)	Private VIP latrine	very clane (clean) Hove it too good	
	12-17						No thing good in the	Every thigs (things) is very very bad I do kr like th hold too good		The school VIP latrines is	
596 Male	years	5 Yes	1 time a week	Dirty	Not Safe	Not Comfortable	school latrines	(hole)	Private VIP latrine	vers clane I love it too	
597 Male	12-17 years	5 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	My school latrines good	My school latrines comfortable	Shared VIP latrine	Palse (please) change the school latrines for us.	
								The school latrines is			
598 Male	12-17 years	5 Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	comfortable, It does not smell good, it smell bad	bery bad, it can make us sick The school latrines is not clean	Private pit latrine	Palse (please) change the school latrines for us.	
599 Female	12-17 years	5 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable	The school latrines is very dirty	The school latrines is very bad	Private pit latrine	Please help us for the school latrines	
600 Female	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	the school latrines is very dirty	is very bad	Shared pour-flush commode	I one (want) you to make latrines better.	
	12-17 years	5 No	1 time a	Very Dirty	Very I Insafe	Very Uncomfortable	The school latrines is very good because they clean	but they pupu all over it and the hold (hole) is	Shared pour-flush commode	The school latrines is very dirty. I whent (want) them to make it better.	
		3 110	THE STATE OF THE S	rayong	ray ollows	Yory or teemer capie	The school latrines is very dirty if I go the (there) I	on q			
	12-17 years	5 No	No answer	Very Dirty	Not Safe	Not Comfortable	can not free (feel) comfortable	is very bad	Shared pour-flush commode	I one (want) you to make latrines better.	
No	12-17 years	5 Yes	2-3 times a week	Very Dirty	Not Safe	Not Comfortable	The student can spoir! (spoil) the latrines.	The school latrines is very bad	Other		Outside (Bush), Private VIP latrine
	18-20						The school latrines bag				Private vii laurile
	years 12-17	5 Yes	1 time a week		Not Safe	Not Comfortable	(bad) The schoo latrines is bag	The school latrines bad The school latrines is	Shared VIP latrine		
605 Female	years 12-17	5 Yes	1 time a week	Dirty	Not Safe	Not Comfortable	(bad) The school latrines is by	bag (bad) The school latrines is	Shared VIP latrine		
606 Female	years	5 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	(bad)	by (bad)	Outside (Bush)	A = 10 d = 151 - 155 -	
607 Female	7-11 years	5 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable	good us for me	it small bad (smell?)	Outside (Bush)	Are (I) don't love the school latrines	
608 Female	12-17 years	5 Yes	2-3 times a month	Very Dirty	Not Safe	Comfortable	the school latrines is bad	the school latrines is bad	Outside (Bush)		
	12-17	500000000	10000000000				the school latrines not	the pupu on the flow			
609 Female	years	5 No	1 time a week	Very Dirty	Not Safe	Not Comfortable	good	(floor) is not good	Private VIP latrine		
	12-17 years 12-17	5 No	1 time a week	Very Dirty	Not Safe	Not Comfortable	the school latrines is not good	the pupu on the flow (floor) is not good the school latrines is	Private VIP latrine		
611 Female	years	5 No	1 time a week	Very Dirty	Not Safe	Not Comfortable		bad	Private pit latrine		
612 Female	12-17 years	6 No	1 time a month	Very Dirty	Very Unsafe	Very Uncomfortable	the school latrines is good because is clean	(bad)	Private VIP latrine	We want your to please	
613 Male	12-17 years	6 Yes	Every day	Very Clean	Very Safe	Very Comfortable	the school latrines is good because is clean	if the latrine is dirty is bad	Private VIP latrine	People always use the posh has latrine I this like that I want your to please tell the teacher about this probleme think you for your under standing (use the porch as latrine) My name is Archia T Tarley	
614 Male	12-17 years 12-17	6 <b>N</b> o	No answer	<b>Very</b> Dirty	Very Unsafe	<b>Very</b> Uncomfortable	the seat, dine (dean) their self on the wall, that	What is bad about the latrines I don't like is other use the wall the	Private pour-flush commode Private pour-flush	yes and I coat that latrines is very very bad please help us. That is the comment	
615 Male	years	6 No	No answer	Very Dirty	Very Unsafe	Very Uncomfortable			commode	the latrine is very by (bad)	
616 Female	12-17 years	6 No	No answer	Very Dirty	Not Safe	Not Comfortable	The school latrines is very importance because if some girls or boys want to use it		Shared VIP latrine	The other pepe in the latrines some pupu infrom (in front) the latrines. That is what the latrines not good.	
	18-20						school is good to seant I	the pupu is good form		the school latrines is not save (safe) because we do	
617 Female	years	6 No	No answer	Very Dirty	Not Safe	Very Uncomfortable	latrines	as the school latrin is very	No answer	notuse	
	12-17						good because if some girls	bad because other		The other pepe in the latrines some pupu infrom	
618 Female	years	6 No	1 time a week	Very Dirty	Not Safe	Not Comfortable	and boys want	fendre the school latriness is	No answer	(in front) the latrines.	
619 Male	12-17 years	6 No	1 time a week	Very Dirty	Very Unsafe	Very Uncomfortable	safe from run stomach at	bad because they latrines as community latrines	Private pit latrine	the school latrines is not good because they use the wrold (wall) as a tissue	
	18-20		2-3 times a	-1-1154	, J. 10015	., rsimoradole	I like the school lodries (latrines) beceused if you		, and pro- 401110		
	years	6 Yes	week	Very Clean	Very Safe	Very Comfortable	jau gav our (?)	(?)	Other		my house b
621 Male	18-20 years	6 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	because if you jan (jam	latrines is bad you	Private pit latrine	the private latrine all that I oto about private VIP is very good	
	18-20 years	6 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	I like the school latrines because if you jan (jam need to go) you out	the school is very good	Other	my school latrines very save (safe)	my house bathroom

										the school latrines is not	
623 Female	12-17 years	6 No	No answer	Very Dirty	Not Safe	Very Uncomfortable	school latrines is dirty	the pupu is al around the latrines	Private pour-flush commode	save (safe) because we do not use tesis to clean our put	
624 Male	18-20 years	6 Yes	2-3 times a week	<b>V</b> er <b>y</b> Clean	Very Safe		school latrines is very bad to us because if we dom (don't) have school latrines we all will used the bush	to wich (wash) our hands and saop (soap). If we dom (don't) have	Private pit latrine	Sometime we fill {fee} bad about our school latrines because they are some people who dos not aten {do not attend) our school coming form public place to use our school latrines that is not good	
	18-20		2-3 times a		,		the beneficial of a latrines	school latrines and it is bed (bad) you can feel		the school latrines is not	
625 Male	years	6 Yes	week	Dirty	Not Safe	Very Uncomfortable	is because use for tule	can feel fine	Private pit latrine	good we are	
626 Male	18-20 years	6 Yes	Every day	Dirty	Not Safe	Not Comfortable	the people latrines not good for people to use	school lutrnes (latrines) look dirty	Outside (Bush)	the aditionel (additional) to this is the VIP latrines	
627 Male	18-20 years	6 Yes	Every day	Very Clean	Safe		school latrines denefical (beneficial) of a latrines is becuuse we	can feel fine	Private VIP latrine	the school latrine is not good becaus they	
628 Male	12-17 years	6 Yes	2-3 times a week	Very Clean	Very Safe	Very Comfortable	the school latrines is very good to the student	when the latrines is dirty we can feel bad about it	Shared pour-flush commode	the latrines is not planty (plenty), so we can do one if the time	
629 Male	18-20 years	6 Yes	Every day	Very Clean	Very Safe			keep safe clean whent	Private pit latrine	sometime by (bad)	
630 Male	12-17 years	6 No	Every day	Very Dirty	Very Unsafe		school latrines sowo (should) be clean and smill (smell) good and very	window, lock you mush (must) have lock school latrine and it	Private VIP latrine	the school latrine is not safe because other people come from outside come pupu in the school latrines	
631 Male	18-20 years	6 Yes	1 time a week	Very Dirty	Not Safe	Comfortable	the beneficial of a latrines is because use for tule		Private pit latrine	Is not safe	shared VIP latrines,
632 Female	18-20 years	6 No	1 time a week	Very Dirty	Very Unsafe		the school latrines is good beruse (because) is dean		Other		shared viriatines shared pour-flush commode
633 Female	12-17 years	6 Yes	1 time a week	Dirty	Not Safe		I is beneficial your school the good of the latrines is because you	the school latrines is very dirty	Private pour-flush commode	the school lating (latrine) give disease	
634 Female	12-17 years	6 Yes	1 time a week	Dictv	Very Unsafe	Very Uncomfortable	the good of the latrines is because you have to have latrines	the school latrines is very dirty	Private pour-flush commode	the school latrines is dirty and have disease.	
635 Male	18-20 years	6 Yes	2-3 times a week	Very Dirty	Not Safe		latrines is good for turlate (tollet) and the only good thing on latrine is the fool zines and calberty (?) (floor, zinc,)		Private pit latrine	the latrines for school is not for a example if you look around the latrine you will see bush grass and also paper. So we a prelent to you people for good latrine in our very schools.	
C2C-M-1-	12-17	CV	2-3 times a	Mary District	Non Cofe		the only goods thing are like on the school latrines are the floor zines and the	school latrines is the children use it bad and	Private pit latrine	the school VIP latrine comonts (comments) other people use the latrine are the back clean	
636 Male 637 Female	years 18-20 years	6 Yes	1 time a month	Very Dirty Very Clean	Not Safe Very Unsafe		pint (floor, zinc, paint) the school latrines is not too good for chnild (child) to go in it		Private pit latrine	the teach latrine not good to go in tin tin dirta	
638 Male	12-17 years	6 Yes	1 time a week		Not Safe		the school latrines is very say	Mary is a by ia in	Other	the school latrines is very God	Outside (bush), shared pit latrine
639 Female	18-20 years	6 Yes	2-3 times a week	Clean	Very Safe		are your word perd wated please is use to ru good torn at comnuntio ?		Private pit latrine	the school sitstry	,
640 Female	12-17 years	6 Yes	1 time a month	Dirty	Very Unsafe	Not Comfortable	the school latrines is not too good for chrild (child) to go in it	about school latrines is	Private pit latrine	the teach latrines is not good to go in it, it is dirty the school latrines is very	
641 Female	18-20 years	6 Yes	2-3 times a month	Very Dirty	Not Safe		I feel bad about the latrines that I have in my house becusue it is dirts		Private VIP latrine	dirty because no ones can clean it so its very dirty for ous. Is not self (safe) for ous.	
	21-25			,			the school latrines is good			the school latrines is not	
642 Female		6 No	1 time a week	Very Dirty Very Dirty	Very Unsafe  Not Safe		to be in the community  plasce (please) explain what is beneficial or bad about the school latrines. The school latrines is not	by (bad) somebody mass (mess) us the latrines is not	Private VIP latrine Outside (Bush)	good  The school latrines is safe for using it, it's not good why the school latrines	
V-13 IVIDIC	100.0	2,63	ava y oay	·	vewic		the school latrines is very		and publi	A school latrine is very safe If you clean your	
644 Male	18-20 years	6 Yes	Every day	Very Clean	Very Safe			(bad) if your school is	Outside (Bush)	school latrine is Good to do that in your school	

	years	6 Yes	Every day	Very Dirty	Not Safe	Not Comfortable	help us when we inter school	latrines can cosses (cause) sickness	Outside (Bush)	to please help us to brink latrines to us
							ashaal latelage below.	Comptime		
							school latrines help us in whenever you sick at	Sometime you want to use the latrines, If yo		
	12-17						school If you want to use	at ah the latrines you		the school VIP latrines
646 Male	years	6 Yes	Every day	Very Dirty	Not Safe	No answer	the latrines	can feel bad.	No answer	very dirty and bad
							The school latrines is not			The school latrines is not safe It is so dirty we want
							good for us so we want	If your school latrines		same want (someone) to
	12-17							is not good It will by		please help us for safe
647 Male	years	6 Yes	Every day	Dirty	Not Safe	Not Comfortable	help us.	(be) bad for us.	Outside (Bush)	latrines
	12-17		2-3 times a				you beneficial for latrines			the school pit latrine is comfortable and also it is
	years	6 Yes		Clean	Very Safe	Very Comfortable	by cleaning it		Private pit latrine	clean for the school
	-10							A 20 B B		
	12-17 years	6 Yes	1 time a month	Very Dirty	Very Unsafe	Varu I Incomfortable	the school latrines is not good for people to use	school latrines look dirty	Outside (Bush)	
	12-17	0 103	2-3 times a	raybiiq	very oribate	very or connectable	the school latrines is very	the school latrines is	datasat (basin)	the school VIP latrines is
650 Male	years	6 Yes	week	Very Clean	Very Safe	Very Comfortable	dean	very clean	Private pit latrine	very clean
	12-17		2-3 times a				our school latrines is not	the school latrines is		the school VIP latrines
	years	6 Yes		Very Clean	Very Safe	Very Comfortable	dirty, but very clean	very good	Private pit latrine	dean
							the good about the school latrines is the floods	the bad about school latrines is the childeren		the school VIP latrines
								(children) use the wall		coments the other people
	12-17		2-3 times a				ine pint of school is fine	to clean their buat		also the back of the
652 Male	years	6 Yes	week	Very Dirty	Not Safe	Not Comfortable	(zinc, paint)	(butt) on it	Private pit latrine	latrines
	12-17		2-3 times a				the school latrines is very	the school latrines is not dirty but is very		the school VIP latrines is
653 Male	years	6 Yes		Very Clean	Very Safe	No answer	dean	dean and good	Private pit latrine	very clean
								If the school later		habind the sobred letting
	12-17		2-3 times a				the school latrines help us	if the school latrines is bad you can see some		behind the school latrines not safe because you see
654 Male	years	6 Yes		Dirty	Not Safe	Very Comfortable	when we are in school	insects flys	Private pit latrine	grass and other thing
							The good about school	+1 1 1 1 2		9 1 11 22 1
	12-17						latrines I know I good in the community or school	The bad about the school latrines don't	Private pour-flush	The school latrine is very dean, and the teacher
	years	6 Yes	1 time a week	Very Clean	Very Safe	Comfortable	campus.	unsue it	commode	latrines is very clean
ere r. i	12-17	211	2-3 times a	W	2011 2011	W. 18 W. 11	This school latrines is very		63	
656 Male	years	6 Yes	week	Very Clean	Very Safe	Very Comfortable	dean Well to my own	smalling (smelling)	Private pit latrine	the latrines is very safe
							understanding it is good	Well it is bad not to		
							to have latrines because	have school latrines		Here in our school our
	18-20						latrines safe (save) us from bad deases	because it is good for school have latrines to		latrines is not good it is very dirty and not safe to
	years	6 Yes	1 time a week	Very Dirty	Very Unsafe	Not Comfortable	(diseases)	safe (save) students.	Private pit latrine	used
	.,	00.00.00		, , , , , , ,				the school latrines		7,000
	42.47							building is fine but		*
	12-17 years	6 Yes	Every day	Very Clean	Not Safe	Not Comfortable	the school latrines is not safe so it can make us sick	inside is very bad enough.	Shared pit latrine	The school latrines is not safe for the student.
					2.000.0000					
							The school latrines is very	urban than arban		
							dirty, but that is the ourt latrines that we have the			
	12-17				2070-12-45	191 192 192	latrines is very good for	make you net (not)		the school VIP latrine is
	years	6 Yes	Every day	Dirty	Not Safe	Very Comfortable	hummo (human) body	feel well (sick)	Private pit latrine	notgood
	12-17 years	6 Yes	Every day	Very Dirty	Not Safe	Very Comfortable	the school latrines is not good	this pupu can dirty	Private VIP latrine	this notgood
						The second second	Well in my own	the framework and the same of	137.00	
	42.47		224				understanding it is good	and control to a		and the state of t
	12-17 years	6 Yes	2-3 times a week	No answer	Very Safe	No answer	to have latrines and it is good.	the school latrines is very clan (clean)	Private pit latrine	the school VIP latrines is good
	12-17	2,00		2194001				the school latrines is	, and present the	the school VIP latrines
662 Female	years	6 Yes	Every day	Very Clean	Very Safe	Very Comfortable	the school latrines is good	dean	Private pit latrine	very clean
	12-17 years	6 Yes	Every day	Very Clean	Very Safe	Very Comfortable	the school latrines is good.	the school latrines is dean	Private pit latrine	the school VIP latrines is dean
	12-17	2103	a. at y sagy	, wcaii	,	e., comerciane	the school latrines is	the school latrines is		the school VIP latrines is
	years	6 Yes	Every day	Very Clean	Very Safe	Very Comfortable	good.	dean.	Private pit latrine	very clean.
								Whenever the school		The additional to this is the VIP latrines is not
							The beneficial is hurmful			comfortable because it
	18-20	1/2/2/4000		212000			(harmful). The good is you	no good sating (seat)		have no key and no good
665 Male	years	6 Yes	Every day	Dirty	Not Safe	Not Comfortable	feel free	area sick can be more	Outside (Bush)	door
	12-17						the school latrines is very	the school latrines in		
666 Female	years	6 Yes	1 time a week	Very Dirty	Not Safe	Not Comfortable	good to our and we use it		Private pit latrine	
										I want your to please help
										us with our latrines with
	100000000000000000000000000000000000000						Latrines my be (may be)	121111111111111111111111111111111111111		you be it God will belss
667 Male	12-17 years	6 Yes	Every day	Dirty	Not Safe	Not Comfortable	safe please help us for or latrines to be safe	the latrine can be smell	Private VIP latrine	(bless) your. My name is Mercy Gaye Tweh
∞/ ividie	years	0.163	Lvery day	UII LY	WOL MIE	140 CONTROL CADLE	raumes to be sale	JITICII	vate vir latilile	the school latrine is very
	12-17				ATACON			the latrines can be		slave (safe) for people. I
668 Male	years	6 Yes	Every day	Very Clean	Very Safe	Very Comfortable	the school is very clean	smalling (smelling)	Private pit latrine	love it.
							the latrines can some			The school VIP latrines can be very clean because
	7-11						time dean and some the	the school latrines can		they can take care of it
669 Female	years	6 Yes	Every day	Dirty	Safe	Comfortable	dirty	be litter ba dirty	Outside (Bush)	verygood
							this school latrines this	the latrines can be		the school latrines in not save to where they build it
	12-17									

671 Male	12-17 years	6 Yes	Every day	Very Clean	Verv Safe	Very Comfortable	the latrines is good because it cannot smell and we having washing hand pump after using the latrine	If the latrine is not safe we will get sick	Private pit latrine	The pit latrine is very good to the student because some of us left our home and come on campus and finally we have runing stomach	
OF THIRD	yours	0.100	every our	Yory cicum	very sale	very comoradic	a la	because the little	Trivate presaume	the latrines is not save.	
								children pupuing		Some of us are getting	
	12-17							aronud the latrines is		sick from the latrines. May	ı
672 Male	years	6 Yes	Every day	Very Dirty	Not Safe	Very Comfortable	the latrines is very bad	very bad	Private pit latrine	God be with your	
											private pour-flush
	12-17	1000000	2-3 times a	2/2/02/0			- 100 -	44.0	- 2-2-1		commode, shared
673 Female	years	6 Yes	month	Dirty	Not Safe	Not Comfortable	you good	the	Other	VVIP	latrine
674 Female	18-20 years	6 Yes	Every day	Dirty	Not Safe	Not Comfortable	good about school latrines	the school latrines is can semell (smell)	Other	we want your to please help us with good latrines	private pour-flush commode, shared pour-flush commo- shared VIP latrine
675 Male	12-17 years	6 Yes	Every day	Very Dirty	Not Safe	Very Comfortable	If you not have a latrines on the cample (campus) you can fee sick	because the little children pupuing aronud the latrines is very bad	Private pit latrine	the latrines is not save (safe) some of us are getting suck from the latrines	
676 Male	No answe r	6 Yes	2-3 times a week	Very Dirty	Not Safe	Very Comfortable	when we clean the school latrines it co (can) very good and safe	when we clean the school latrines if co (can) very bad and not safe	Other	our school latrines is not good for VIP	outside (bush), shared pour-flush commode
677 Female	12-17 years	6 Yes	2-3 times a month	Dirty	Not Safe	Not Comfortable	a can so safe you a can (it can) help you. For you to no run around		Shared VIP latrine	VIP latrines is not good	
678 Female	12-17 years	6 Yes	2-3 times a month	Dirty	Not Safe	Not Comfortable	a can so safe you a can (it can) help you. For you to no run around	not have lack (lock) can be very dirty	Shared VIP latrine	VIP latrines is not good to use	
679 Female	18-20	6 Yes	Every day	Dirty	Not Safe	Not Comfortable	or good the school latrines school	the school latrines can semil (smell)	Shared pit latrine	we want to the school VIP latrines	
680 Male	18-20 years	6 Yes	1 time a week		Very Safe	Not Comfortable		that mean is not good at all, went (when) you	Outside (Bush)	went (when) you will see something lask dirt in the bathroom	

What is		What is		I 5 If γes,	How		How					
your		your position		how often do	clean are the	How safe are the	comfortable are the	Please explain what is	Please explain what is	Where do γou go to the	Any additional	
vey gender ?	is your age?		school latrines?	you use	school latrines?	school latrines?	school	beneficial or good about the school latrines.	negative or bad about the school latrines.	bathroom at your house?	the school VIP latrines.	Other: Comme
	- G				101111001					100000	The latrines, to be well	
											presentable, must be	
											well protected. Ex: The surrounding inhabitants	
											are the main subjects	
											that contaminate the	
											toilets or latrines. They	
									Latrines are misused.		damaged the doors of the latrines at night and	
									The entrances and floors		do whatever necessary	
								The school latrines are helpful			in their sight, thus,	
								because they help students to relieve themselves. They are			causing great embarrasement to the	
				Less than				well structured, and contained			school. There should be	
	51-60			once a			Not		result, the ventillation is		security to protect the	
1 Male	years	Teacher	Yes	month	Dirty	Not Safe	Comfortable	use.	unconducive.	flush commode		(
											My additional comments has to do	
								The school latrines is not			with the school	
								beneficial, it has been			administration, the	
								mismanaged by the students and the school authority is not			administration has to put in proper	
								making any effort to make the			management system in	
								school latrines clean. Toilet	managed 2. Toilet all		place by employing	
	31-40			No			Not	are all over the place. For this reason the school latrines is	over the place 3. Students urinate outside	Shared nit	people to properly	
2 Male		Teacher	No		Very Dirty	Not Safe		not beneficial or good.		Snared pit latrine	manage the school latrines.	
	-to-Tini					17.0					The only	
								6 1 11 17 1 16	of Her		recommendation	
	41-50	Admini st		2-3 times			Not	School latrines is very good for both teachers and students in		Private nit	pertaining to VIP latrines is proper care	
3 Male		ration	Yes	a month	Dirty	Not Safe	Comfortable	turn of released.	there is no proper care.		with security.	
								- Control De to a Language de Control de Con	The bad part of school			
No	51-60				Very			The school latrines is not in good condition because	latrines is that people comes from all over to	Private pit		
		Teacher	Yes	Every day		Very Safe	No answer	people from all over using it.	use it.	latrine		
									The bad side about the			
									school latrines is that other people introed in			
	31-40							It help us a lot when we are at		Private pit		
5 Male	years	Teacher	Yes	Every day	Clean	Safe	Comfortable	work to stay.	work.	latrine		
								While in school, it helps us to ease ourselves. It also helps	Whenever breeze blows,			
	41-50							our students and support	the air from the latrines	Private pit		
6 Male	years	Teacher	Yes	Every day	Clean	Safe	Comfortable	staff.	polute the classes.	latrine		
									The bad side of the			
									school latrines is people			
								The school latrines are good	come from all over to			
7 Famala	41-50	Teacher	Vas	Every day	Clean	Safe	Comfortable	because it helps us the teachers to keep on their jobs.	use it. Because there is	Shared pit latrine		1
, remale	y cars	.cachei	.03	Laci y day	cicuit	Suite	Commontable	country to leep on their Jobs.	In the absence of the	iadino.		
								It helps to keep the school	latrine, school		Principal and staff need	
8 Male	51-60 years	Teacher	Yes	Every day	Clean	Very Safe	Comfortable	environment clean and keeps students on campus.	environment will be dirty and smells bad.	Shared VIP latrine	to have private pour- flush commode.	9
			- area d'	.,,				and the second s				
6 Male												
o ividie	51-60						Not		It smells all in the	Private pit	It is too close to the classes that cause the	

10 Male	41-50 years	Teacher		1 time a month	Very Dirty	Very Unsafe	Very Uncomfortabl e	What will make the school latrines to be good is care, use what will stop the scent from spreading to the school classes over the campus. We need better latrines than what we have now.	rain when wash the area it sometimes spread the bad or damaged toilet all	Other	Will like an improvement and at lease if the latrine will not be relocated it can be kept clean and renovated to a better latrines, if not the safety of our students will not be protected.	690
11 Male	61 years or above	Administ ration	Yes	Every day	Clean	Safe	Comfortable	They are good because time to ease ourselves we go there	We cannot actually say the school latrines are bad because we or the school that suppose to clean are cleaning them both in and out. Be side s, when the locks spoiled we replaced them by buying new locks.	Private VIP latrine	There is no other comment because the comment we have had been made on question number (10) ten. RIDA provides soap, cans for use after using the latrines. The only recommendation we have is government should provide security to watch over the school properties so that the se properties can be in good and healthy condition.	691
	31-40				Very		Very	The school latrines is beneficial to us in that, the teachers, administration, and staff are using it without going outside the campus to find a latrine and all aronud the				
12 Male	γears 41-50	Staff		Every day	Clean	Very Safe No	Comfortable Very Uncomfortabl	latrine is very clean.	misusing it.  The entire sanitary	flush commode Private VIP	The school does not	692
13 Female	years 51-60 years			answer  1 time a week	Very Dirty  Clean	answer Safe	e Comfortable	The school latrines always help the students and	condition is a mess.  Negative part is the community is not uses the latrines.	latrine Outside (Bush)	Yes, we need addition four classroom to be built at the school campus. We also need your help for the addition classrooms.	693 694
15 Female	41-50 γears	Teacher		2-3 times a month	Clean	Safe	Comfortable	The school latrines is good, it helps us, the teachers, to use it, instead of going out of		Private pit		695
15 Female		Teacher			Clean	Safe	Comfortable					69

											The additional comments regarding the school VIP latrines will be a recommendations to the education's paterners and donors; I recommend that benefitting school(s): 1 be well protected or fence to prevent the community from missusing the facility. 2 fencing of the school campus must be a		
16 Male	51-60 years	Admini st ration	Yes	Less than once a month	Clean	Safe	Comfortable	The beneficial or good about the school latrines are; It helps: 1 both the students, teachers, staff and visitors at the school to easily release themselves. 2 to safe the school environment of pollution.	The negative thing(s) about the school latrines is that people from different background or attracted with desease use the same latrines.	Other	proriaty to protect the modern latrines and its environment. 3 latrines' chemicals, soaps, and other appliances be	Private pit latrine and private pour- flush commod e	696
17 Male	31-40 years	Teacher	Yes	1 time a week	Clean	Not Safe	Comfortable	What is good about the latrines is anytime you there to use it, it can always be clean, that alright to be used.	What is bad about the latrine is people who come from outside of the campus can dirty the latrine at any time.	Shared pit latrine		family member latrine	697
18 Male	41-50 years	Teacher	Yes	Every day	Clean	Very Safe	Comfortable	It helps us not to be exposed to the outside. It also help us to be on campus all the time. Before we always leave the campus to go into the bush.	school latrines is we	Shared pit latrine	We say thanks, very much to Sis Sarah Ness for her effort to improved sanitation within our school. She was very instrumental in the building and teaching of how to take care of the VIP latrine. She put in place how to wash hand and how to control urine within and around the campus.		698
19 Male	51-60 years	Teacher	Yes	2-3 times a week	Clean	Not Safe	Not Comfortable	The latrines are good in the sense that they can help you ease yourself if you are in jam.	The negative things about the school latrines is that they are exposed to the community dwellers. There is no restrictions because the campus is not properly fences and the latrines are being used by two sessions - morning and afternoon.	Private pour- flush commode	The latrines are not flush commode that I am used to at my house. So I can only use them is I am seriously jammed.		699
20 Male	41-50 γears	Staff	Yes	2-3 times a week	Clean	Safe	Not Comfortable	Keeps students on campus	very small inside	Outside (Bush)	Would be good to enlarge it small.		700
21 Male	41-50 γears	Admini st ration	Yes	2-3 times a week	Dirty	Not Safe	Not Comfortable	The school latrines is not good because it is not clean, not safe, and always dirty. So, I am not benefiting anything from the latrines	The negative thing about the school latrines is it does not have space for the user. Inside of the latrines are very smaller that are not comfortable why using them.	Shared pit latrine	I would like to appeal to this organization to please help the school with good latrines so as to enable us to ease ourselves freely.		701
22 Male	41-50	Teacher		2-3 times a week	Dirty	Very Unsafe	Not Comfortable	The beneficial about the school latrines should be speacial care takers and this care taker should be able to receive little appreciation or incentive. Shouldn't be only	The negative or bad about the school latrines is no good care. The entire community used it because no fence, no care taker.	Shared pit latrine	Regarding to the school VIP latrines, there is no restiction. Many times, the key cannot be available to teachers. Sometime, those who had the key borrow it to students who are their relatives or common unity friend.		702

Community members   Comm	The school latrines is the late of the school latrines is that the glate school latrines is the school latrines is t												there to help ease the defication problem on campus, but the maintenance and the	
The school latrines is the robust of the school latrines is the robust of the school latrines. The school latrines is the robust of the door star are always satisfiatines). The school latrines is the robust of the door star are always satisfiatines. The school latrines is the robust of the door star are always satisfiatines. The school latrines are always satisfiatines. The school latrines are always satisfiatines. The school latrines can be very dirty and very unsafe to use the address or campus. Moreover, they can be very dirty and very unsafe to use the school latrines are used instead of the sudents on campus. Moreover, they can are still the standards or substance the staff and the sudents on campus. Moreover, they can are staff and the sudents or substance the staff and the substance the staff and the sudents or substance the staff and the sudents or substance the staff and the sudents or substan	The production of the school latrines is the responsible to the door sar every small, seats latrines. The school latrines is the responsible to the door sar early seats latrines. The school latrine is that people can be when or sar every small, the school latrine is the door sar early seats latrines. The school latrine is the door sar early seats latrines are always leave the school campus to go open as a result the school latrine is the door sar early the school latrine is the door sar early seats latrine is the school la		41-50	Admini st		2-3 times			Not	about the school latrines is that it keep the student on campus in terms of defication, urination, etc. Before when there was no latrines student	thing about the school latrines is that the elementary school sharing it with the high school is misusing the	Shared pour-	are the problem to these latrines on campus. We need maintenance and proper use of the se	
The good about the school of t	The good about the school or command revery small, school with school or command the doors are always school (VP lathines). He school (Ampuse) to go of power as a result the lathines of the community for the use of the community of the use of the community for the use of the community of the use of t	23 Male	years	ration	Yes	a week	Dirty	Safe	Comfortable	deficate outside.	The negative part of the	flush commode	contracting disease.	
The school latrine scan beavery dirty and very unsafe to same the staff and the students or ampus. Moreover, they can acampus. Moreover, they can acampus and missing the candidation to acampus and missing the candidation to acampus and missing the candidation to accompany and missing the candidation to accomp	The school latrines can be very ditry and very unsafe to use: hard papers are used interested to use the foot ampus. Moreover, they can and the authority may remained the authority may remained the death of the foot and the authority may remained the facility of the facility of the facility. Approach can be very ditry and very unsafe to smit and the authority may remained the facility of the facility. Approach can be very ditry and very unsafe to smit and the authority may remained the facility of the facility. Approach can be very ditry and very unsafe to smit and the authority may remained the facility. Approach can be very ditry and very unsafe to smit and the authority may remained the facility. Approach can be very ditry and very unsafe to smit and the authority may remained the facility. Approach can be very ditry and very unsafe to smit and the authority may remained the facility. Apply during the facility are not provided.  The school latrine six always messes up, they are unfirst and are not suitable maintain. There are unfirst and are not suitable maintain proper saritary.  The school latrine six always messes up, they are not provided. The school latrine six always messes up, they are not provided. The school latr			Staff	Yes		Clean	Safe	Comfortable	latrines is that people can not leave the school campus to go in the community for the use	rooms are very small, the doors are always open as a result the latrines are not used		seats (latrines). The school VIP latrines should be up to	
25 Male years Teacher Yes a week Dirty Not Safe Comfortable they wish. use the chlorine. latrine    Private pit   Private pit   Private pit	25 Male years Teacher Yes a week Dirty Not Safe Comfortable they wish. use the chlorine. latrine    The school need to have a latrine inside the office building so that it is not accessible to outsides. Even the campus and missing the facility. Anybody can use the latrine. Strong fence.   S1-60   Administration   Yes   Month   Clean   Not Safe   Comfortable   The school latrine shelp to keep the students and locked, they can break   The school latrine shelp to keep the students and locked, they can break   The school latrine shelp to keep the students and locked, they can break   The school latrine shelp to keep the students and locked, they can break   The school latrine shelp to keep the students and locked, they can break   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine   The school latrine   The school latrine shelp to the latrine   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine   The school latrine shelp to the latrine   The school latrine shelp to the latrine   The school latrine   The sch									The school latrine shelp keep the staff and the students on campus. Moreover, they can	The school latrines can be very dirty and very unsafe to use: hard papers are used instead of tissue, users defecate or urinate on the floor, and the authority may			
a latrine inside the office buildings of that it members are constantly in the school latrines. Even if the latrine in side the distillation of the school latrine in the latrine in members are constantly in the school latrine in the latrine in members are constantly in the school latrine in the latrine in the latrine in members are constantly in the school latrine in the	a latrine inside the office buildings of that it members are constantly in members are constantly breaking into the school campus and miss sing the ones that are built are built facility. Amybody can use coulsiders. Even the campus and miss sing the ones that are built facility. Amybody can use coulsiders. Even the campus and miss sing the ones that are built facility. Amybody can use coulsiders. Even the campus and miss sing the ones that are built facility. Amybody can use coulsiders. Even the campus and miss sing the ones that are built facility. Amybody can use coulsiders. Even the campus and miss sing the endosed in wire fence or other durable and strine are lotted. The school latrines are the lock.  26 Male vars ration vars month Clean Not Safe Comfortable teachers on campus. He lock. latrine strong fence.  27 Female vars ration vars vars vars vars vars vars vars vars			Teacher			Dirty	Not Safe						
27 Female years Teacher Ves Teacher Yes Every day Clean Safe Comfortable It is used to ease myself. It is good. latrine It is to be improved.  The school latrines with regards to sanitary conditions are not being properly positive change so as to upfit and are not suitable maintained. There are late of used due to poor facility(ies).  28 Male years Teacher No Very Unsafe Teacher Very Dirty Unsafe Teacher Very Unsafe Very Unsafe Very Not	27 Female vars Teacher Ves Very day Clean Safe Comfortable It is used to ease myself. It is good. Iatrine It is to be improved.  The school latrines is always messes up, they are not being properly regards to sanitary conditions used nor are they are unfit and are not suitable maintained. There are 131-40 Very are unfit and are not suitable wars. The school latrines with are unfit and are not suitable maintained. There are 14-50 Administ Very Dirty Unsafe or to poor facility(ies).  The school latrines with are not being properly regards to sanitary conditions used nor are they are unfit and are not suitable maintained. There are 14-50 Administ Very Dirty Unsafe or 15-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6	26 Male	years		Yes	once a	Clean	Not Safe	Comfortable	keep the students and	members are constantly breaking into the school campus and misusing the facility. Anybody can use the latrines. Even if locked, they can break the lock.	Private pit latrine	a latrine inside the office building so that it is not accessible to outsiders. Even the ones that are built outside should be enclosed in wire fence or other durable and	
always messes up, they are not being properly seal on the ingrenoment of the school latrines with regards to sanitary conditions used nor are they maintained. There are upfit and are not suitable are unfit and are not suitable are unfit and are not suitable are unfit and are not suitable to positive change so as to uplift and maintain uplift and maintain to sold their are dequate for used to poor facility(ies).  28 Male vers Teacher No very Dirty Unsafe to poor facility(ies).  The beneficial or good thing about the school latrines has a liquid resh toilet with about the school latrines has 1, public usage, 2.  Build fresh toilet with guarantee door to	always messes up, they are not being properly are not being properly are not being properly positive change so as to uplift and maintain provided in a support sample. The school latrines with a regards to sanitary conditions used nor are they sught or are unfit and are not suitable are not being properly project. The school latrine with are not being properly and not always messes up, they are not being properly positive change so as to uplift and maintain prove private pour private pour private pour und the latrine suitable are not being properly project. The school latrine with are not suitable are not being properly positive change so as to uplift and maintain private pour private pour private pour und the latrine suitable are not being properly positive change so as to uplift and maintain private pour private			Teacher	Yes	Every day	Clean	Safe	Comfortable	It is used to ease myself.			It is to be improved.	
41-50 Administ 2-3 times Very Not about the school latrines has 1. public usage, 2. guarantee door to	41-50 Administ 2-3 times Very Not about the school latrines has 1. public usage, 2. guarantee door to			Teacher	No		Very Dirty		Uncomfortabl	regards to sanitary conditions are unfit and are not suitable neither adequate for use due	always messes up, they are not being properly used nor are they maintained. There are lots of litter in and		positive change so as to uplift and maintain proper sanitary	
25 marc years ration less amontain cican not sale comortaine door. another and the control of the prevent public assets. The action is a second of the prevent public assets.					Yes			Not Safe		about the school latrines has		Other	guarantee door to	Private