

# Knowledge, Attitude, And Practice on Hygiene and Sanitation Among Households in Pohnpei, Federated States of Micronesia

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# Federated States of Micronesia

- Pohnpei is one of the four states of the Federated States of Micronesia. The capital of the FSM, Palikir, is located in Pohnpei.
- Population : 36,196 (2010)
- Fun Fact: In the name Pohnpei, Pohn means “Upon” and Pei means “altar”

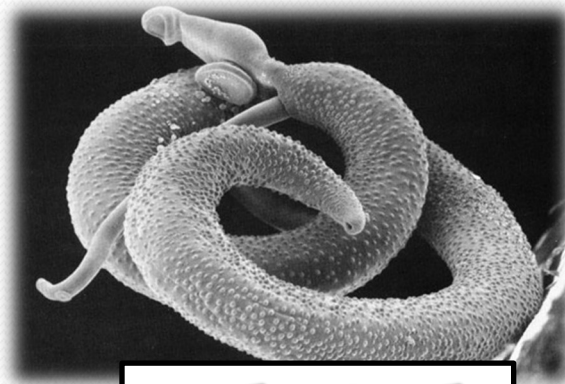


# Introduction

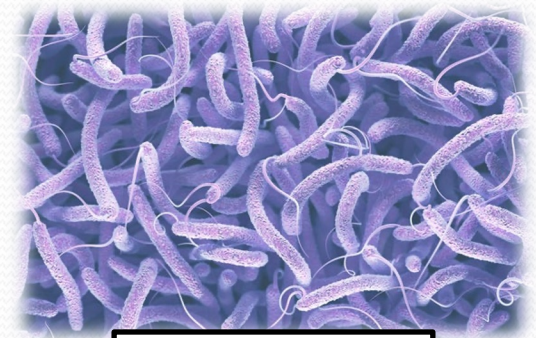
- Pacific Island Countries and Territories (PICT) experience some of the lowest levels of improved water, sanitation, and hygiene (WASH) on Earth (WHO 2016).
- Low levels of improved water, sanitation, and hygiene are often directly related to experiences of poverty and/or conflict.
- PICT, only one-third of people have access to basic sanitation facilities and basic water sources (WHO & UNICEF 2017)

# Consequences

- Limited access to proper water, sanitation, and hygiene result in negative health outcomes.
- Negative health outcomes include:
  - Diarrhea
  - Helminthes ( Parasitic Worms)
  - Cholera



Helminth



Cholera

# Objective & Method

- Improve sanitation practices through targeted behavioral change communication.
- Demand the creation of and access to drinking water, sanitation marketing, solid waste, waste water, and drainage.
- A survey was done in Kolonia Town and Kitti Municipal using a questionnaire by United Nations International Children's Emergency Fund (UNICEF).
  - Recreation of survey that was done in the Phillippines.

# Kolonia Town & Kitti Municipal

- People were interviewed from these places because of the big differences in development in these two areas.
- Kolonia Town is more developed than Kitti. There are a lot of buildings and cars in Kolonia. Kitti Municipal, on the other hand, is more rural and mostly trees fill the area

# Survey

- n=26 people took the survey: 11 males and 15 females
- What is the survey asking?
  - Type of water source
  - How water is stored
  - Opinion on hygiene
- How were people selected?
  - They were randomly selected.

# Results

- More than 50% had access to improved water sources while the other used unprotected springs, surface water, and piped water into their yard.
- Out of the 26, only 14 of them treated their water by boiling, using water filter, letting it stand and settle, or straining it through cloth.
- 22 of them store their drinking water in covered containers, 1 stores in a tank, and 3 do not know.

**Unprotected Spring**



**Surface water**



**Piped Water into Yard**

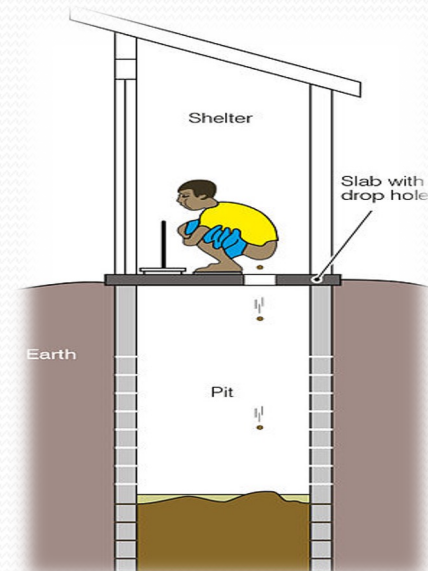
# Results

- 8 of the people pay for their drinking water
  - Average price: \$31/month.
- All agreed that washing hands is important prior to feeding children and hand sanitation in general.
- 21 had flush/pour toilets, 1 had pit latrine with slab and 4 had composting toilets.
- 16 of them own the toilets that they use and 10 do not own toilets but would like to own one.
- A majority of them said that people practice open defecation because there are no toilets within the area.

# Composting Toilet



# Pit Latrine with slab



# Results

- Open Defecation:
  - 3 usually,
  - 4 sometimes; and
  - 5 rarely.
- Of the 12, 2 said that all the household members defecate openly and 10 said some household members defecate openly.
- A majority of the participants interviewed believe that defecating openly is not acceptable along with people in their community.

# Conclusion

- Shows improvements in basic water coverage, improved sanitation, and improved water source are needed.
- Show how many of the interviewed people had access to adequate water sources and sanitation facilities.



# Recommendations

- The FSM government is making efforts in promoting hygiene and spreading awareness and is well on their way to improving hygiene and sanitation for people in the FSM.
- People should take steps to better their hygiene so that they can live a good and healthy lifestyle. Good hygiene means less probability of getting sick.