

# Health Breakout

# Actionable items

- Develop 5- and 10-year goals for health outcomes related to water and sanitation
  - RSV rates, skin infection rates, etc.
- Develop a strategy for capturing health data related to water and sanitation improvements
  - Improve data collection in low service areas
- Develop a strategy to maximize health benefits of water systems
  - Education to aid adaptation to new service

# Actionable items, II

- Develop benchmarks for optimal water system based on health
  - Water quantity, ease of use in household, taste to encourage use of treated water
- Assess incidence of outpatient diarrhea in rural Alaska communities
- Develop strategy for economic analysis of health and water service
  - Burden of illness, costs associated, who pays, indirect costs

# Actionable items, 3

- Refine and apply an assessment of the effect of new village water systems on
  - Water use and behavior
  - Health outcomes

# (somewhat) Out of the Box

- Assess and rank communities by risk of illness
- Determine high risk subpopulations within communities
  - Develop multi-faceted prevention strategies to reduce illness risk
- Observation of water use behaviors and practices in communities
- Conduct school-based hygiene education project
  - Assess impact on absenteeism, work time lost, and impact on behavior of other family members

# (somewhat) Out of the Box

- Determine the benefit to all of Alaska if we solve health inequities in rural Alaska
- Evaluate re –establishment of pit latrines in selected villages
- Develop a research plan for new technology assessment
  - R &D
  - Training needs,
  - O&M
  - Parts, equipment
  - acceptability