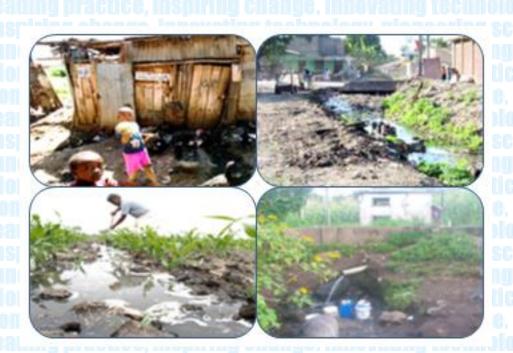
14 - 17 October 2013 • NAIROBI, KENYA



The Convening Power of Risk:

A Community of Practice event on Urban Sanitation and Sanitation Safety Planning

15 October 2013 09:15 - 10:45 **GROUP WORK**



Water Supply & Sanitation Collaborative Council Inform. Engage. Enable.





Household domain – disease transmission related to toilet facilities, water supply and hygiene behaviour (WASH) Public domain – disease transmission related to environmental sanitation (excreta and wastewater management, solid waste collection and drainage)



Disease transmission related to contamination of water supply systems, and water bodies used as sources of drinking water, other domestic, and recreational uses

Disease transmission related to 'wastewater' reuse leading to microbial contamination of the food cycle



Sanitation system risk assessment and sanitation safety planning

Common elements of sanitation system risk assessment:

- 1) Sanitation systems analysis to identify hazards
- 2) What triggers are there that result in hazardous events?
- 3) How often do they happen and how long do they last?
- 4) During a hazardous event, who is affected?
- 5) What step can be undertaken to reduce risks?
- 6) Who is responsible for implementation and monitoring?





Group activity



Consider the following situations and discuss:

- 1. What do you see in this picture? What is the link with sanitation?
- 2. What health hazards due you perceive to be related to this practice?
- 3. Who is affected and how frequently?
- 4. What option(s) do we have to reduce the health risks?

Situation 1





Situation 2





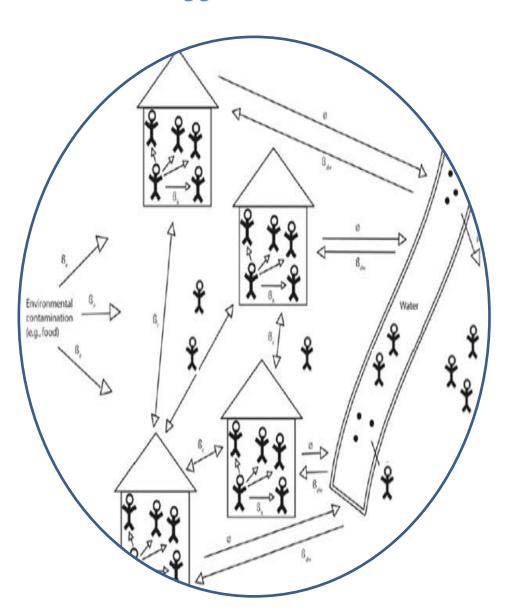


Situation 3





Who is affected?



User - who uses the technology on a regular basis.

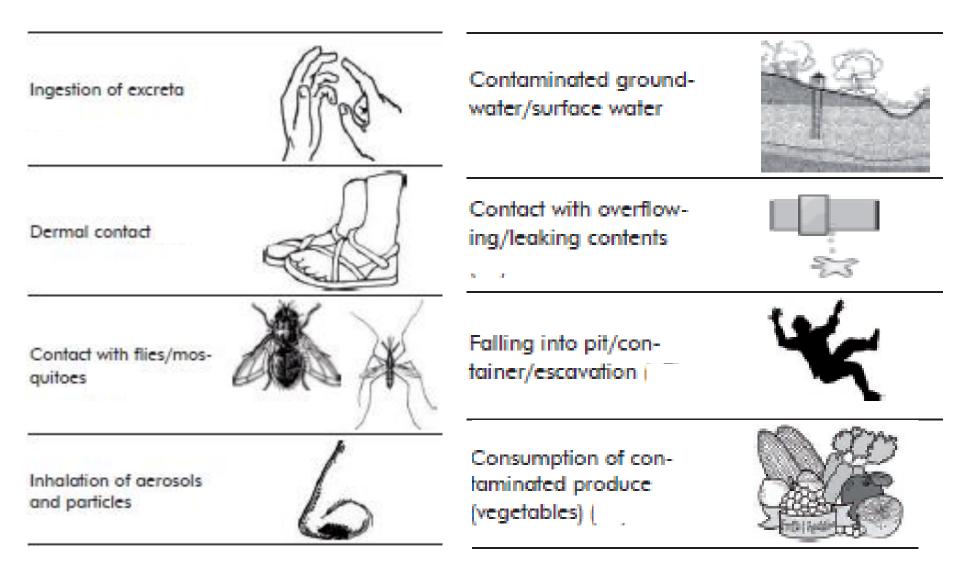
Community anyone living near to, or downstream from the technology, and may be indirectly affected.

Worker - responsible for maintaining, cleaning, operating or emptying part of the sanitation system

Farm worker - who applies uses products generated from sanitation systems

Consumer anyone who consumes crops or fish that are produced using sanitation products.

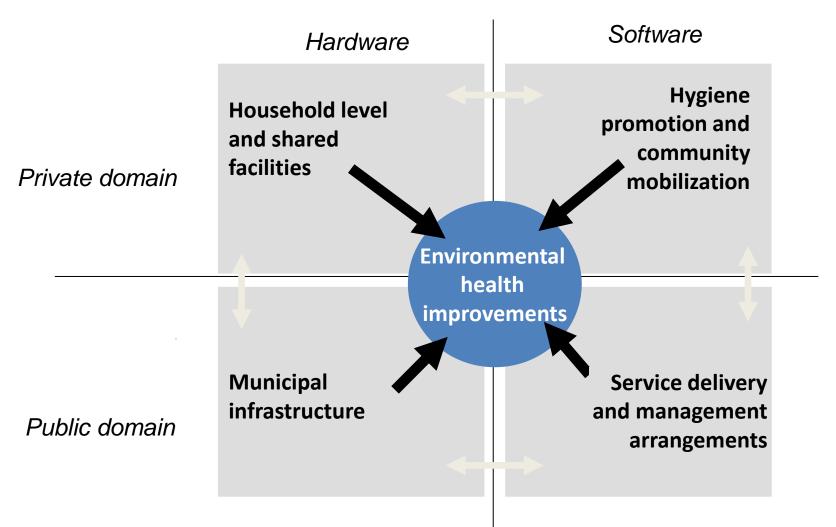
How are they affected? key exposure/transmission pathways



Ref: Stenström et al 2011



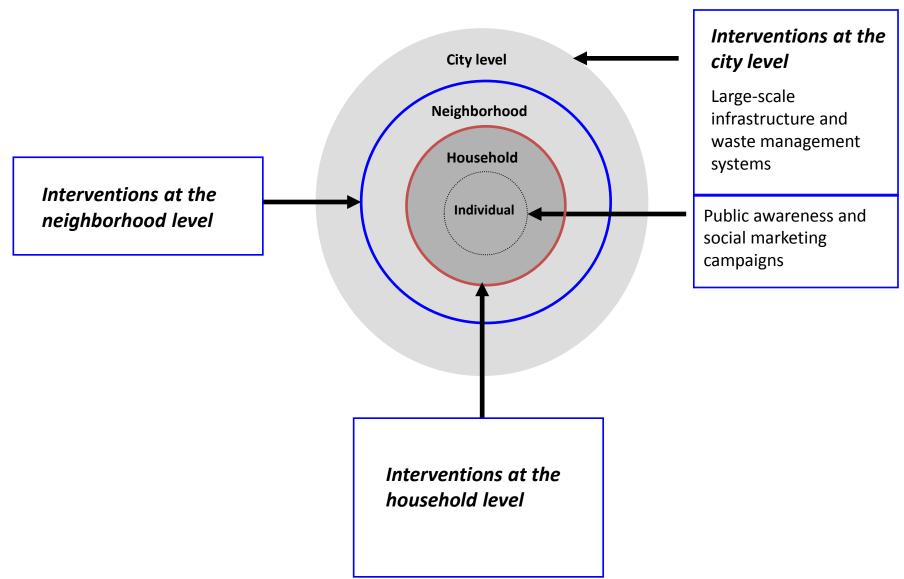
Risk reduction strategies



inspiring change

Level of intervention





Cost effectiveness of risk mitigation strategies

Cost of prevention of hazard

Very High				
High		Less cost-effective		
Moderate			More cost-effective	
Low				
	Low	Moder ate	High	Very High



Extend of risk reduction