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- Safe sanitation systems
- Significance of sanitation for human health
- WHO Guidelines on Sanitation and Health and their recommendations
- Sanitation Safety Planning, its methodology and benefits

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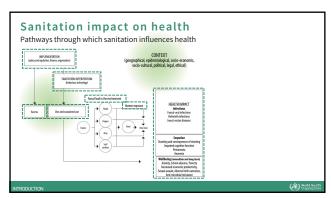
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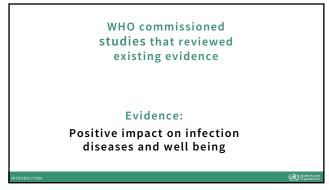


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Safe sanitation is essential for health-that includes preventing infection diseases and also improving and maintaining mental and social well-being.

Heath impact of un	safe sanitatio	n
Direct impact (infections)	Sequelae (conditions caused by repeated infections)	Broader well-being
Faecal-oral infections • Diarrhoeas (incl. cholera) • Dysenteries • Poliomyelitis • Typhoid	Stunting growth     Malnutrition     Impaired cognitive function	Immediate:     Fear     Anxiety     Shame associated with open
Helminth or intestinal worm infections  Ascarlasis Trichurlasis Hookworn infection Cysteercosis Schitzoominasis Insect vector diseases Lymphatic filariasis West Nile Fever	Pneumonia related to repeated diarrhoea in undernourished children Anaemia related to hookworm infections	defecation or shared sanitation  Long-term  School absence  Poverty  Decreased economic productivity  Anti-microbial resistance
Trachoma		





How effective are sanitation interventions?	
Overall, greater access to sanitation is associated with significant lower risks of	
diarrhea and other infections	
However, many sanitation interventions have shown lower than expected health outcomes	
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Sanitation interventions are not succeeding to fully interrupt transmission pathways	
A state water	
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Reasons for low health impact	
-Many interventions do not reach levels of toilet access and use in the community that are high	
access and use in the community that are high enough to remove pathogens from the environment.	
-Many sanitation systems are of low quality and do not effectively contain excreta.	
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## WHO Guidelines on Sanitation and Health Authoritative health-based guidance on maximizing the health impact of sanitation investments. Purpose: Ensure that sanitation systems are designed and managed safely to protect human health. Contents: ✓ Evidence ✓ Recommendations ✓ Guidance ✓ Tools ✓ Resources GUIDELINES ON SANITATION AND HEALTH

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Based on the
comprehensive
evidence review, 4
main
recommendations
were derived for
action by national
and local authorities

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### Recommendations

- ${\bf 1.} \ Ensure \ universal \ access \ and \ use \ of \ toilets \ that \ safely \ contain \ excreta$
- To prioritize the elimination of open defecation and universal access to toilets.
- To strive to cover entire communities with a minimum standard of safe toilet and safe containment.
- To use demand side and supply side approaches concurrently.

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Recommendations	
2. Ensure universal access to safe systems along the	
entire sanitation service chain	
Safety must be ensured along the entire sanitation	
service chain - toilet, containment, transport, treatment, end use/disposal.	
treatment, end use/disposat.	
Technologies should be context specific.	
realmologies should be context specific.	
Incremental improvement based on local level risk	
Incremental improvement based on local level risk assessment (e.g. Sanitation Safety Planning)	
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Recommendations	
Sanitation should be addressed as part of locally delivered services and broader development programmes and policies	
development programmes and portices	
To increase efficiency and health impact, sanitation should be provided and	
managed as part of a package of locally delivered services.	
Broader development programs and policies such as housing, urban planning and	
coordination with water supply drainage, solid waste and management planning.	
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Recommendations	
4. The health sector should fulfil core functions	
to ensure safe sanitation to protect public	
health	
Key functions by the health sector to ensure safe	
sanitation to protect public health.	
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	What we can do as local practitioners to implement these recommendations?	
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### Implementing recommendations

We need to ensure that we maximize the health benefit of sanitation interventions

We need to ensure that:

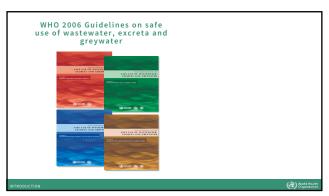
- Systems and services are selected to respond to the local context.
- Investments and system management are based on local level risk assessments along the entire sanitation chain.
- Incremental improvements are based on local level risk assessment.
- Users, communities, sanitation workers, consumers and farmers are protected.

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## Sanitation Safety Planning - SSP WHO recommended approach for local level risk assessment and management for sanitation systems • Step-by-step methodology • to assist in the implementation of risk assessment and management • for the entire sanitation service chain. SANITATION SAFETY PLANNING The proposed to the service service to the system is managed to meet the health objectives





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### **Benefits of Sanitation Safety Planning**

- It helps maximizing health benefits of sanitation interventions
- It guides operators to prioritizes risk management efforts
- It sets a plan for incremental improvements
- It targets investments to the highest health risks
- It coordinates efforts

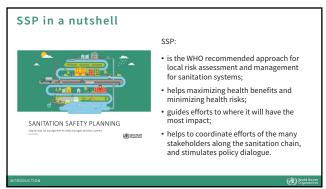
"To protect health"

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SSP Modules		
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# SSP Products Prioritized, incremental improvement plan. Operational monitoring plan for regular monitoring and periodic verification.

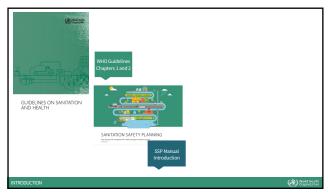


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