

## THE BUSINESS CASE FOR INCLUDING HUMAN RIGHTS TO SANITATION

# CAN STANDARDS PROMOTE HUMAN RIGHTS TO SANITATION?

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**Webinar hosted by Human Rights2Water**

November 10<sup>th</sup>, 2020

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- [From ANSI: https://sanitation.ansi.org/](https://sanitation.ansi.org/)
- [From TUV-SUD: https://www.tuvsud.com/en-sg/industries/chemical-and-process/sustainable-and-sanitation-services](https://www.tuvsud.com/en-sg/industries/chemical-and-process/sustainable-and-sanitation-services)

# UNIVERSAL ACCESS TO SAFE SANITATION SAVES LIVES

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News

**BMJ readers choose the “sanitary revolution” as greatest medical advance since 1840**

BMJ 2007 ; 334 doi: <https://doi.org/10.1136/bmj.39097.611806.DB> (Published 18 January 2007)  
Cite this as: BMJ 2007;334:111

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More than 11 300 readers of the *BMJ* chose the introduction of clean water and sewage disposal—“the sanitary revolution”—as the most important medical milestone since 1840, when the *BMJ* was first published. Readers were given 10 days to vote on a shortlist of 15 milestones, and sanitation topped the poll, followed closely by the discovery of antibiotics and the development of anaesthesia.

- Access to sewer saves lives and extended life expectancy in the industrialized countries. Its extension is unaffordable for most developing countries.
- In the 21<sup>st</sup> century, non-sewer sanitation solutions are widely used in developing countries. Their performance and service provision requirement need to be standardized for pathogen removal or pathogen kill and guarantee the users' and communities' safety.

# IMPACT OF STANDARDS: THE SEWER REGULATIONS IN 1832 UNLOCKED THE POTENTIAL OF SEWER TECHNOLOGY

**Edwin Chadwick 1800 – 1890,**

**The pioneer of the plumbing regulations**

Sir Edwin Chadwick KCB was an English social reformer who is noted for his work to reform the Poor Laws and to improve sanitary conditions and public health.

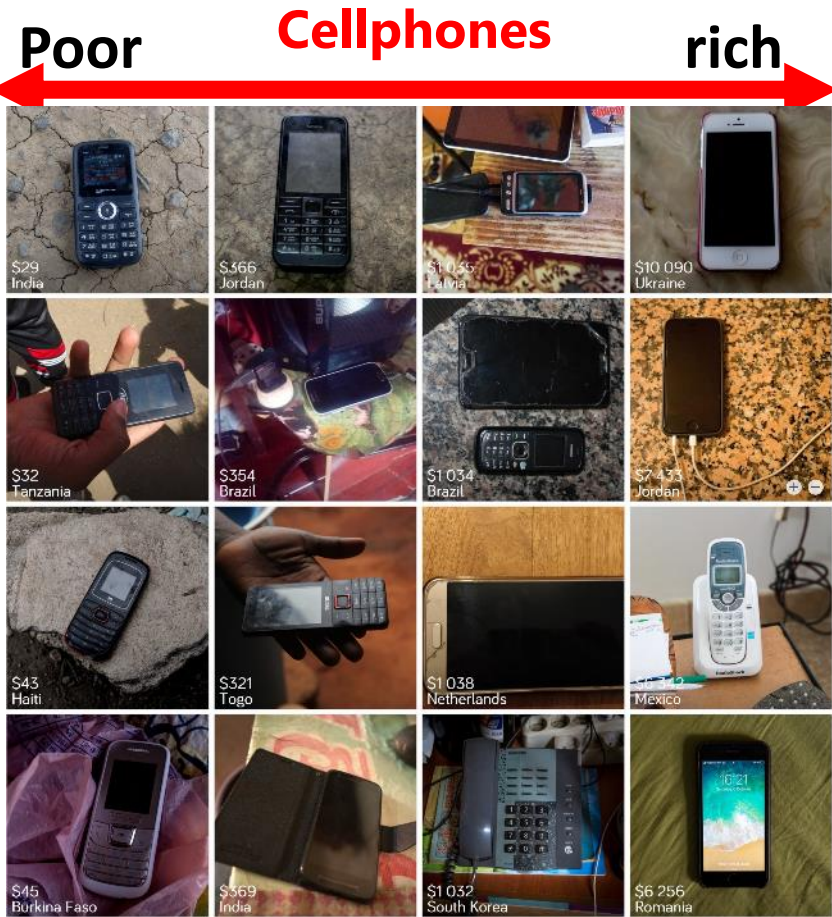


[Source: Wikipedia, Sept. 2016](#)

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# INEQUALITY IN SERVICE PROVISION



# SANITATION STANDARD

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**SANS 30500:2019**  
Edition 1

**ISO 30500:2018**  
Edition 1

**SOUTH AFRICAN NATIONAL STANDARD**

**Non-sewered sanitation systems —  
Prefabricated integrated treatment units —  
General safety and performance requirements  
for design and testing**

This national standard is the identical implementation of ISO 30500:2018, and is adopted with the permission of International Organisation Standardization.

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ISO 30500 **adopted in 20 countries including** South Africa, Senegal, Nigeria, Cameroon and Benin, USA, Canada. In process in China,, ...

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**ISO 30500:2018**  
**Non-sewered sanitation systems — Prefabricated integrated treatment units — General safety and performance requirements for design and testing**

**ISO/PC 305**  
Sustainable non-sewered sanitation systems

Secretariat ■  
United States - American National Standards Institute (ANSI)

Twinned Secretariat ■  
Senegal - Association Sénégalaise de Normalisation (ASN)

Participating Members (31) ■

Observing Members (14) ■



# INTERNATIONAL (ISO) SANITATION STANDARDS

## ISO 24521

- International **management standard for publicly and privately operated basic on-site domestic wastewater services**
- Provides technical guidance for maintenance techniques, design, and operations, written from an operator's point of view
- Specifies health and safety considerations
- Published in 2016 and available for national adoption

## ISO 30500

- Voluntary, international product standard for **household** non-sewered sanitation systems (NSSS)
- Provides general safety and performance requirements for the product design & performance testing
- Specifies technical requirements, test methods, and sustainability considerations for NSSS
- Published in 2018 and available for national adoption

## ISO 31800

- Voluntary, international product standard for **community scale non-sewered sanitation** systems
- Fecal sludge treatment through the development of sanitation treatment units
- Treats waste at a community level where there are no suitable wastewater treatment systems in place
- Published in 2020 and ready for national adoption.

## Africa Sanitation Policy Guidelines (ASPG) – not an ISO standard

- Guidelines for inclusive sanitation policies and universal coverage
- To be published.