

HWTS-MOOC - Further reading

This list contains links to websites and pdf's with further information about household water treatment and safe storage.

WEEK 1: Introduction to Household water treatment and safe storage

1.2 Global burden of disease

- [IHME: GBD Compare Tool](#). [website]
- [The Lancet: Global Burden of Disease Study 2015](#). [website]
- [WHO: Safer water, better health. 2008](#). [pdf]
- [Article: "Burden of disease from inadequate water, sanitation and hygiene in low- and middle-income settings: a retrospective analysis of data from 145 countries"](#) [pdf]

1.3 Water-borne pathogens

- [The Global Enteric Multicenter Study](#) [pdf]
- [The Global Water Pathogen Project](#) [website]

1.5 What is HWTS?

- [WHO: Household water treatment and safe storage: manual for the trainer. 2013](#). [pdf]
- [WHO: Household water treatment and safe storage: manual for the participant. 2013](#). [pdf]
- [UNICEF: Going to Scale with Household Water Treatment and Safe Storage. 2009](#). [pdf]

1.6 HWTS and the SDG's

- [JMP: WASH in the 2030 Agenda. 2016](#). [pdf]
- [JMP: Progress on Sanitation and Drinking Water. 2015](#). [pdf] → Section A

1.7 The International Network on HWTS

- [WHO: Household water treatment and safe storage. About the network](#). [website]
- [The Water Institute at UNC: International Network on Household Water Treatment and Safe Storage](#). [website]

WEEK 2 & 3: HWTS treatment options

2.1 A framework for water safety

- [WHO: Guidelines for drinking-water quality](#). [website]
- [WHO/IWA: Water safety portal](#). [website]

2.3 Filtration: Synthetic membranes

- [Eawag: Gravity-Driven Membrane technology](#). [website]
- [www.katadyn.com](#); [www.sawyer.com](#); [www.lifesaversystems.com](#); [www.polymem.fr](#); [www.vestergaard.com](#) [websites]

2.4 Filtration: Ceramic filters

- [UNICEF: Use of Ceramic Water Filters in Cambodia. 2007.](#) [pdf]

2.5 Biological filtration

- [CAWST: Biosand filter](#) [website]
- [SSWM: Biosand filter](#) [website]
- [Manzwaterinfo](#) [website]
- [Samaritan's Purse: Water projects](#) [website]
- [Biosand filter](#) [website]

3.1 Heat

- [Islam M. and Johnston B.: Household Pasteurization of Drinking-water: The Chulli Water-treatment System. 2006.](#) [pdf]
- [Solar Cookers International Network: Water pasteurization.](#) [website]

3.2 Ultraviolet radiation

- [SODIS Reference Center](#) [website]

3.4 Safe Storage

- [Robert L. et al: Keeping clean water clean in a Malawi refugee camp: a randomized intervention trial. 2001.](#) [pdf]
- [WEDC: An engineer's guide to domestic water containers. 2011.](#) [pdf]

WEEK 4: Implementation strategies for HWTS

4.1 Supply, demand and financing

- [Hammond A. et al: The Next 4 Billion. 2007.](#) [pdf]
- [Pralhad C.K. and Hart S.: The Fortune at the Bottom of the pyramid.](#) [pdf]
- [IFC: Safe Water for All.](#) [website]
- [USAID: Best practices in social marketing safe water solutions for household water treatment. 2007.](#) [pdf]
- [PATH: Market-based approaches to reach low-income families.](#) [website]
- [Gebauer H. and Saul C.: Business model innovation in the water sector in developing countries](#) [abstract, website]

4.2 Targeting the vulnerable

- [WHO: Essential prevention and care interventions for adults and adolescents living with HIV in resource-limited settings. 2008.](#) [pdf]
- [WHO: The environment and health for children and their mothers](#) [website]
- [SODIS: Safe Water School Manual. 2014.](#) [pdf]
- [SWASH+: WASH in schools.](#) [website]
- [USAID/WHO: How to integrate water, sanitation and hygiene into HIV programmes. 2010.](#) [pdf]

4.3 HWTS in emergency response

- [IFRC: Household water treatment and safe storage in emergencies. 2008.](#) [pdf]

- [WHO: The drinking water response to the Indian Ocean Tsunami including the role of household water treatment. 2004.](#) [pdf]

4.4 Role of government bodies

- [WHO/UNICEF: Toolkit for monitoring and evaluating household water treatment and safe storage programmes. 2012.](#) [pdf]
- [WHO: Status of national HWTS policies in selected countries.2012.](#) [pdf]
- [WHO: Information sheet for government and policy-makers on evaluating household water treatment options. 2011.](#) [pdf]
- [WHO: Scaling Up Household Water Treatment Among Low-Income Populations. 2009.](#) [pdf]

WEEK 5: Assessing the impact of HWTS

5.1 Evaluation and validation of household water treatment technologies

- [WHO: International Scheme to Evaluate Household Water Treatment Technologies](#) [website]
- [WHO: Evaluating household water treatment options: Health-based targets and microbiological performance specifications. 2011.](#) [website]
- [WHO: Results of round 1 of the WHO International Scheme to Evaluate Household Water Treatment Technologies. 2016.](#) [website]

5.2 Effective and consistent use

- [WHO/UNICEF: Toolkit for monitoring and evaluating household water treatment and safe storage programmes. 2012.](#) [pdf, link also listed for module 4.4]

5.4 Cost effectiveness

- [IRC: WASHCost](#) [website]
- [WHO: Generalized Cost-Effectiveness Analysis](#) [website]

HWTS Training Tools

Please have also a look at the following training tools from different organizations.

- Akvopedia: [Water portal](#)
- CAWST: [HWTS-factsheets and educational tools](#)
- CDC: [Safe Water System Handbook](#)
- IRC: [Bank of information and interactive tools](#)
- SSWM: [HWTS-tools](#)