Environmental Health in Public Places, Tourism & Transportation

UNIVERSITAS INDONESIA
Veritas, Probitas, Iustitia
FACULTY OF PUBLIC HEALTH

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Picture Credit:
https://www.kompasiana.com/farhah05049/5de69e0a097f3632ee4309d2/ancaman-di-jalan-raya-yang-patut-diwaspadai

Definition of Public Place

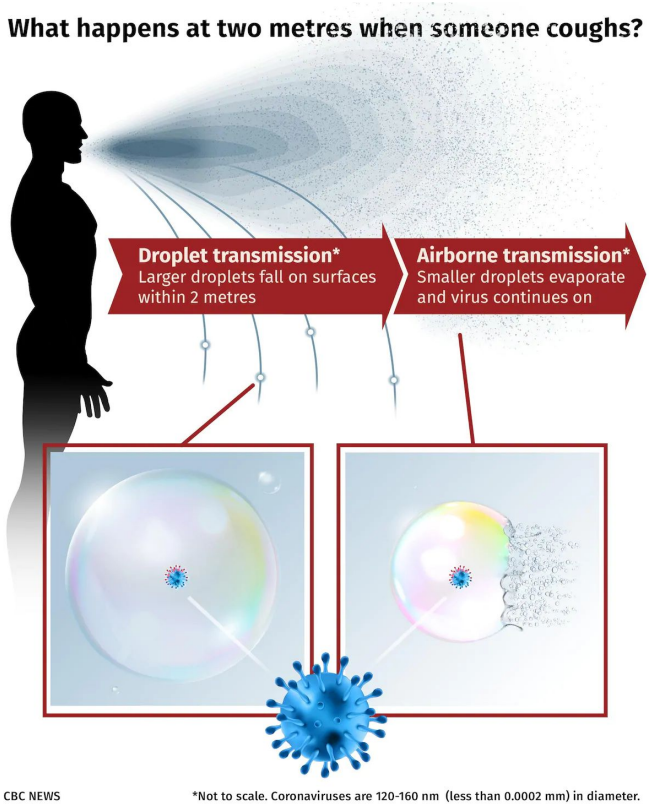
A public space refers to an area or place that is open and accessible to all peoples, regardless of gender, race, ethnicity, age or socio-economic level. These are public gathering spaces such as plazas, squares and parks. Connecting spaces, such as sidewalks and streets, are also public spaces.

UNESCO (2017). *Inclusion Through Access to Public Space* [online]. Available at: http://www.unesco.org/new/en/social-and-human-sciences/themes/urban-development/migrants-inclusion-in-cities/good-practices/inclusion-through-access-to-public-space/

Modes of Transmission

Direct

Droplet spread

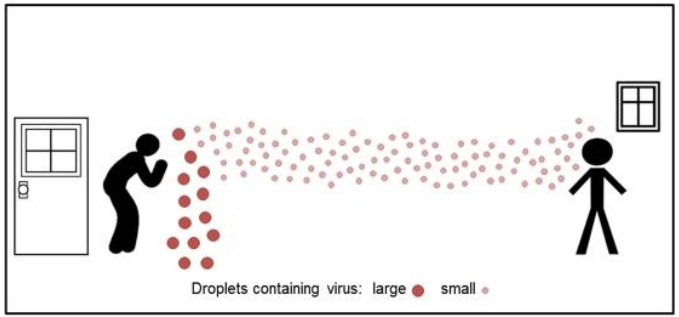


CDC (2012). *Principles of Epidemiology in Public Health Practice, Third Edition An Introduction to Applied Epidemiology and Biostatistics* [online]. Available at: https://www.cdc.gov/csels/dsepd/ss1978/lesson1/section10.html
Chung E., Ireland, N. (2020). *Scientists aim to 'see' invisible transmission of coronavirus* [online]. Available at: https://www.cbc.ca/news/technology/droplet-transmission-1.5549547

Modes of Transmission

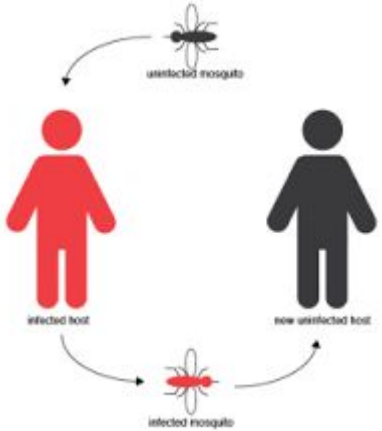
Indirect

Airborne transmission



Vehicles

Vectors



CDC (2012). *Principles of Epidemiology in Public Health Practice, Third Edition An Introduction to Applied Epidemiology and Biostatistics* [online]. Available at: https://www.cdc.gov/csels/dsepd/ss1978/lesson1/section10.html

Cases in Public Space

JabarEkspres.com

Siswa Belajar di Ruang Kotor Karena Atap Bocor

by **Jabar Ekspres** — Selasa, 5 Maret 2019
in **Bandung Barat Ekspres**, **Bandung Raya**, **News**, **Pendidikan**

HOME / JAWA BARAT

Waspada, Penyebaran DBD Bisa Terjadi di Lingkungan Sekolah

Windiyati Retno Sumardiyani - 18 Januari 2019, 19:07 WIB

PETUGAS Dinas Kesehatan Kota Bogor menunjukkan temuan jentik nyamuk di tempat penadahan air dispenser salah satu sekolah dasar, Jumat 18 Januari 2019. Dinkes Kota Bogor mencatat sebanyak 43 kasus DBD terjadi hingga pertengahan Januari 2019.* WINDIYATI RETNO SUMARDIYANI/PR

Sumardiyani, W. (2019). Waspada, Penyebaran DBD Bisa Terjadi di Lingkungan Sekolah [online].Available at: https://www.pikiran-rakyat.com/jawa-barat/pr-01305551/waspada-penyebaran-dbd-bisa-terjadi-di-lingkungan-sekolah
Photo Credit: https://jabarekspres.com/2019/siswa-belajar-di-ruang-kotor-karena-atap-bocor/https://jabarekspres.com/2019/siswa-belajar-di-ruang-kotor-karena-atap-bocor/

Cases in Transportation

TribunKaltim.co

Kamis, 30 Juli 2020

Home | News | Tribun Etam | Kaltara | Bisnis | Super Ball | Spor

Ada Ratusan Kecoa Ditemukan di Dalam Pesawat, Penumpang Panik Bingung Cari Tempat Aman

Jumat, 20 Oktober 2017 10:29

lihat fot

Shangha

Kru kabin memeriksa kabin satu dari dua pesawat terbang tersebut.

Photo Credit:
https://kaltim.tribunnews.com/2017/10/20/ada-ratusan-kecoa-ditemukan-di-dalam-pesawat-penumpang-panik-bingung-cari-tempat-aman

Kualitas Udara di Kapal Pesiar Lebih Buruk dari Perkotaan

Selasa 04 Jul 2017 12:28 WIB

Rep: Christiyaningsih/ Red: Esthi Maharani

Kapal pesiar / Ilustrasi

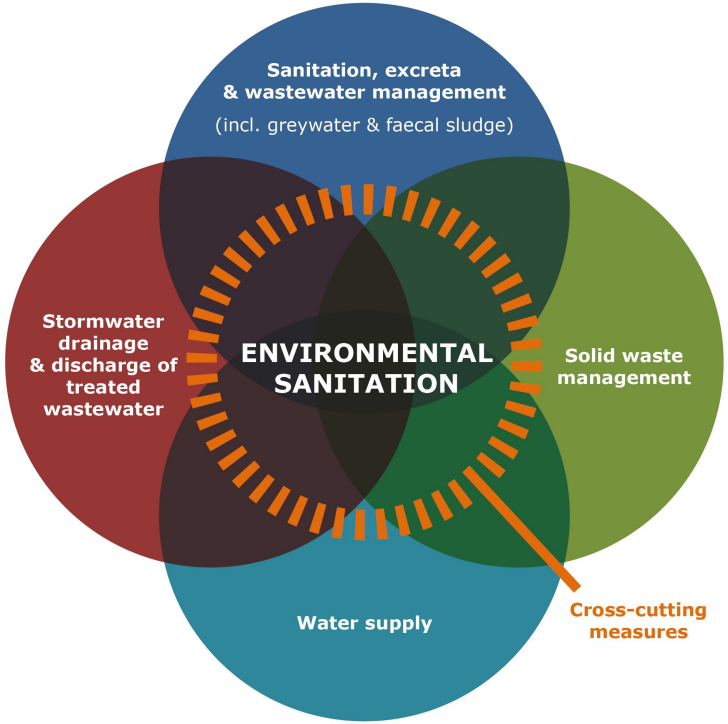
REPUBLIKA.CO.ID, LONDON -- Level polusi udara di dek kapal pesiar disebut lebih buruk daripada udara yang terdapat di kota paling berpolusi. Temuan ini didasarkan atas investigasi yang dilakukan Channel 4 Dispatches pada salah satu operator kapal pesiar terbesar di Inggris.

Photo Credit::
https://republika.co.id/berita/trendtek/sains-trendtek/17/07/04/osjvaz-kualitas-udara-di-kapal-pesiar-lebih-buruk-dari-perkotaan

Sanitation

Sanitation generally refers to the provision of facilities and services for the safe disposal of human urine and faeces.

The word 'sanitation' refers to the maintenance of hygienic conditions



WHO (n.d). *Sanitation* [online]. Available at: https://www.afro.who.int/health-topics/sanitation#:~:text=Water-,Overview,of%20human%20urine%20and%20faeces.&text=The%20word%20'sanitation'%20also%20refers,garbage%20collection%20and%20wastewater%20disposal.

Scope of Public Space Sanitation

- Water Supply
- Wastes disposal
- Food Hygiene and Sanitation
- Housing and Construction
- Vector Control
- Physical Pollution
- Industrial Hygiene and Sanitation

Photo Credit:
https://news.artnet.com/art-world/scenes-sanitation-landmarks-1831194

Sari, PN. (n.d). *Pengantar Sanitasi Tempat-Tempat Umum.* Faculty of Public Health Andalas University. [PPT]. Available at: http://repo.unand.ac.id/11658/1/Pengantar%20Sanitasi.pptx

Public Space Sanitation Activities Include:

Photo Credit:
https://kalsel.antaranews.com/berita/112420/penyuluh-sapta-pesona-hadir-di-tempat-tempat-wisata-banjarmasin

Supervision and examination of environmental factors

Public education (education)

Sari, PN. (n.d). *Pengantar Sanitasi Tempat-Tempat Umum*. Faculty of Public Health Andalas University. [PPT]. Available at: http://repo.unand.ac.id/11658/1/Pengantar%20Sanitasi.pptx

Sanitary Inspection

WHO (n.d). *Sanitary inspections for sanitation systems* [online]. Available at: https://www.who.int/water_sanitation_health/sanitation-waste/sanitation/sanitary-inspections-for-sanitation-systems/en/
Photo Credit: https://hsseworld.com/hygiene-and-sanitation-inspection-checklist/

Examples of Sanitary Inspection in Public Places

No	Variables	Weight	Components	Score	Total Score
I	General				
1	Environment	8	Clean	4	
			No puddle	4	
			Waste water flows smoothly	3	
II	Sanitary facility				
1	Clean water	16	Available in sufficient quantities	4	
			Meet physical requirements		
			Sufficient amount of public faucets are available		

Sujarno, M., Muryani, S. (2018). *Bahan ajar kesehatan lingkungan: Sanitasi Transportasi, Pariwisata dan Matra* [online]. Available at: http://bppsdmk.kemkes.go.id/pusdiksdmk/wp-content/uploads/2018/09/Sanitasi-Transportasi-Parawisata-dan-Matra_SC.pdf