

HEALTH AND THE ENVIRONMENT IN ARAB COUNTRIES

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HEALTH - A UNITING REGIONAL SUSTAINABLE DEVELOPMENT GOAL ?

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CHAPTER 2

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HEALTH AS A REGIONAL SUSTAINABLE DEVELOPMENT GOAL

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September 2015: The 2030 Agenda for Sustainable Development



SDG 3

Ensure healthy lives and promote wellbeing for all at all ages

GOOD HEALTH AND WELL-BEING

Target 3.1

By 2030, reduce the global maternal mortality ratio to less than 70 per 100 000 live births.

Target 3.5

Strengthen the prevention and treatment of substance abuse, including narcotic drug abuse and harmful use of alcohol.

Target 3.2

By 2030, end preventable deaths of newborns and children under 5 years of age, with all countries aiming to reduce neonatal mortality to at least as low as 12 per 1000 live births and under-5 mortality to at least as low as 25 per 1000 live births.

Target 3.6

By 2020, halve the number of global deaths and injuries from road traffic accidents.

Target 3.3

By 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected tropical diseases and combat hepatitis, water-borne diseases and other communicable diseases.

Target 3.7

By 2030, ensure universal access to sexual and reproductive health-care services, including for family planning, information and education, and the integration of reproductive health into national strategies and programmes.

Target 3.4

By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and wellbeing.

Target 3.8

Achieve universal health coverage, including financial risk protection, access to quality essential health-care services and access to safe, effective, quality and affordable essential medicines and vaccines for all.

Target 3.9

By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination.

Target 3.A

Strengthen the implementation of the WHO Framework Convention on Tobacco Control in all countries, as appropriate.

Target 3.B

Support the research and development of vaccines and medicines for the communicable and non-communicable diseases that primarily affect developing countries, provide access to affordable essential medicines and vaccines, in accordance with the Doha Declaration on the TRIPS Agreement and Public Health, which affirms the right of developing countries to use to the full the provisions in the Agreement on Trade-Related Aspects of Intellectual Property Rights regarding flexibilities to protect public health, and, in particular, provide access to medicines for all.

of Implementatio

Means

Target 3.C

Substantially increase health financing and the recruitment, development, training and retention of the health workforce in developing countries, especially in least developed countries and small island developing States.

Target 3.D

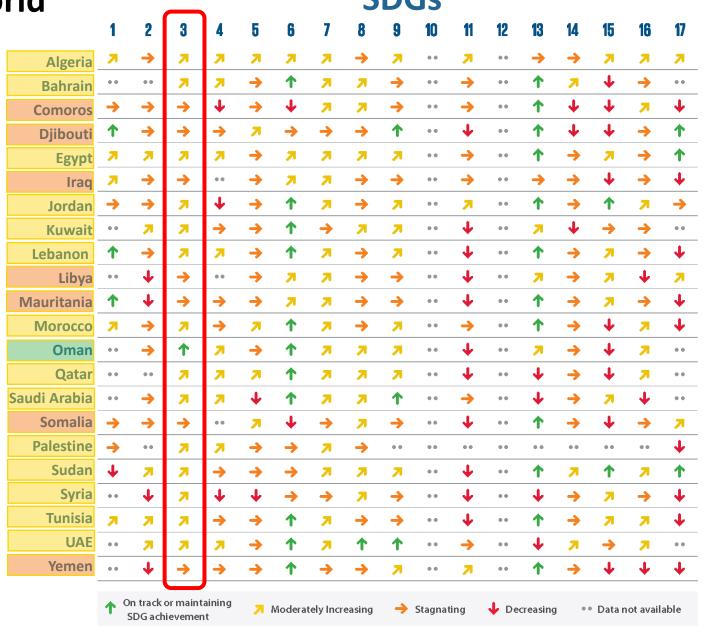
Strengthen the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks.

How is the Arab World doing on SDG 3: health and wellbeing?



SDG Progress in The Arab World





Data based on trend years ranging between 2010 and 2018.

Disparities in Maternal Mortality and Hepatitis B

| SDG 3 Indicator | LIC ¹ | MIC ² | | HIC ³ |
|--|---|--|-------------------------------------|---|
| 3.1.1 Maternal mortality ratio [per 100,000 live births], 2015 | 732 [Somalia] 385 [Yemen] 68 [Syria] | 33 [Egypt] 45 [Palestine] 62 [Tunisia] 121-602 [others] | 140 [Algeria] 9-58 [others] | 4 [Kuwait] 6 [UAE] 12 [Saudi Arabia] 13-17 [others] |
| 3.3.4 Hepatitis B prevalence [%], 2015 | 10.54 [Somalia] 2.54 [Yemen] 0.37 [Syria] | 1.96-4.29 [Comoros, Mauritania] 0.45-0.8 [others] | 0.06-1.01 (Algeria, Iraq, & others) | 0.08-0.44 (Qatar, UAE, Saudi Arabia & others) |

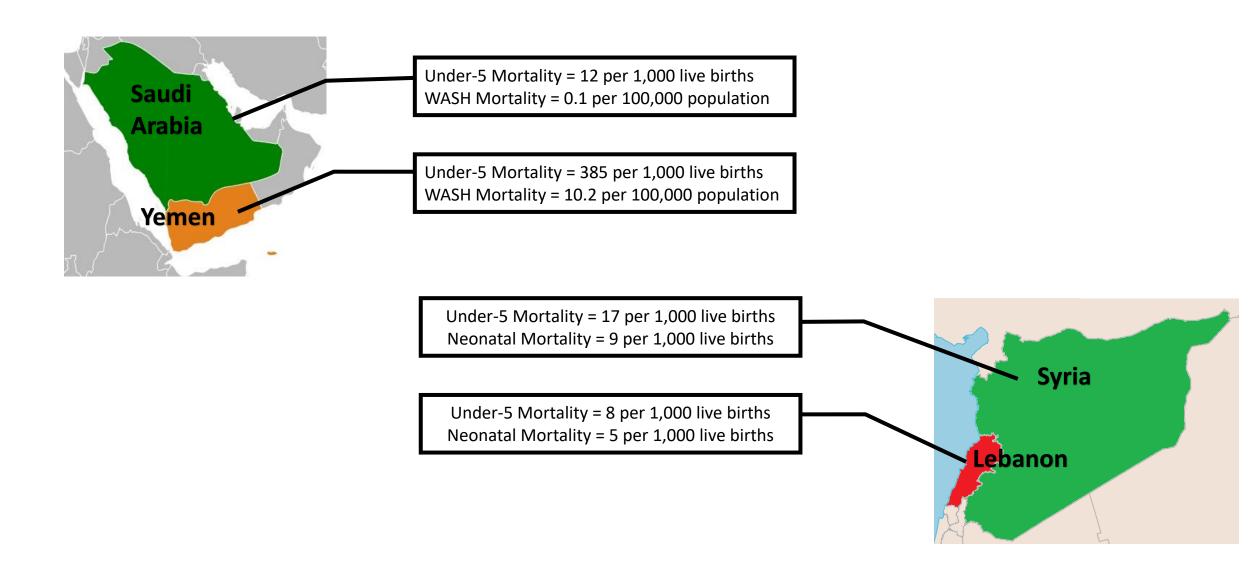
Based on World Bank 2020 Classification.

¹ **LIC**: Somalia, Sudan, Syria Arab Republic, Yemen

² **MIC**: Algeria, Comoros, Djibouti, Egypt, Iraq, Jordan, Lebanon, Libya, Mauritania, Morocco, Palestine (West Bank and Gaza), Tunisia

³ **HIC**: Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates

Disparities between Neighboring Countries



Armed Conflict: A Major Challenge to Achieving SDGs

Armed conflict impedes SDG progress and global health improvement



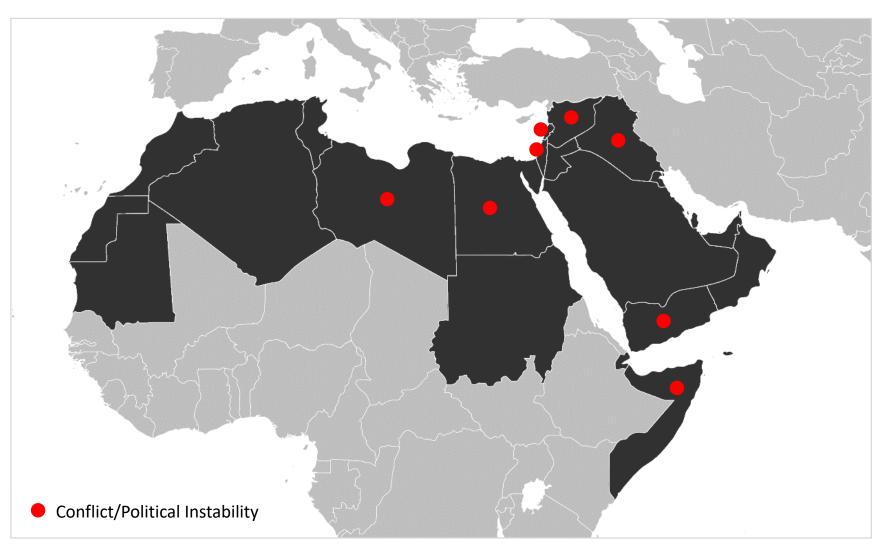
Armed Conflicts and Displacement

- 8 Arab Countries in conflict or political instability:
 - Yemen
 - Somalia Egypt
 - Syria Libya

- Iraq
- Palestine
- Lebanon

Fragile State Index

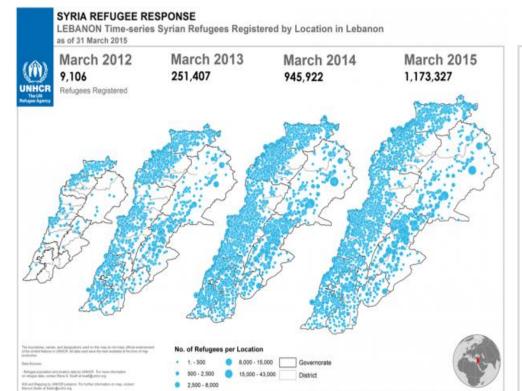


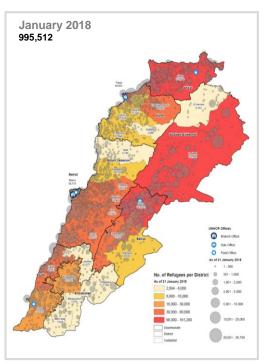


Displacements Resulting from Armed Conflicts in the Arab World

- Armed conflicts impacts trespass boundaries.
- 6.7 million Syrian refugees fled to Lebanon, Jordan, Turkey, Europe, and other countries following the 2011 war in Syria.

 Lebanon received over 1 million
 Syrian refugees





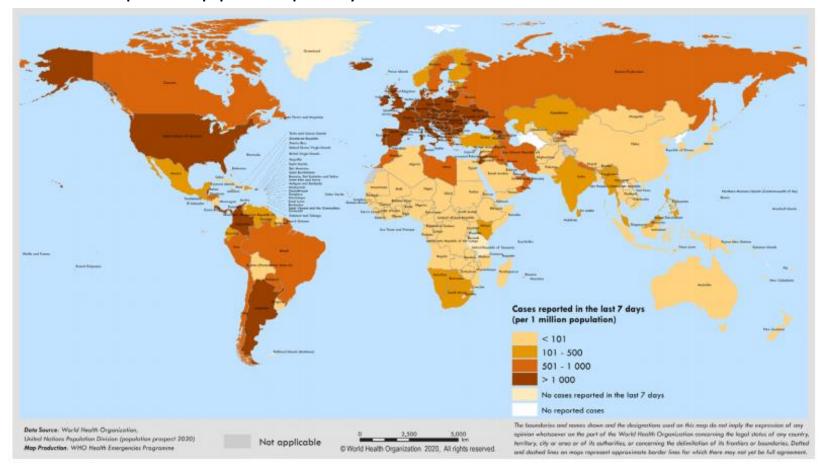
Impact of Armed Conflicts on Health

- Casualties, displacement, political instability, destruction of healthcare systems, unemployment, poverty, and harsh consequences on public health
- Recent study on 193 countries (1990-2017) found:
 - Armed conflict was associated with increases in civilian mortality.
 - Wars \rightarrow 81.5 per 100,000 population (29.4 million civilian deaths globally)
 - Mortality rates associated to war increased:
 - Communicable, maternal, neonatal, and nutritional diseases = 21 million deaths
 - Non-communicable diseases = 6 million deaths
 - Injuries = 2.4 million deaths

Novel Coronavirus Disease – The COVID-19 Pandemic

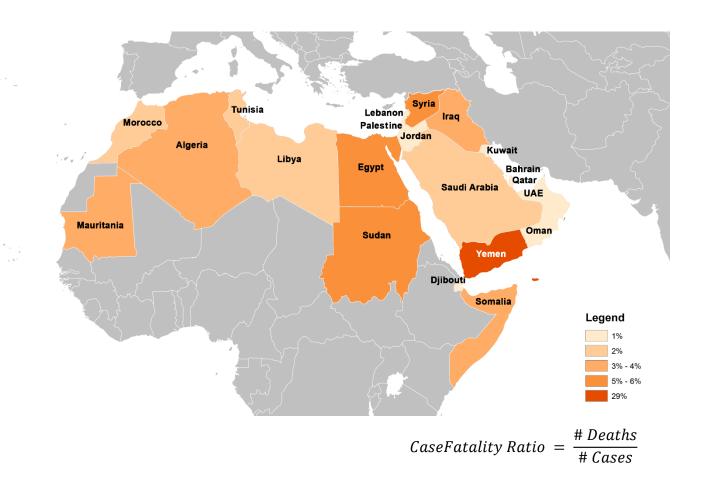
- COVID-19 global spread
- Declared by WHO as a Pandemic and a global Public Health Emergency on March 11, 2020.

COVID-19 cases per million population reported by countries between 26 October and 1 November 2020



COVID-19 Case-Fatality Ratios in the Arab World as of September 30, 2020

- COVID-19 DashboardJohns Hopkins University
- Stretched resources and inadequate testing capacity
- A high risk to countries with vulnerable health systems



Strict COVID-19 Control Measures -> Economic Strain

- Control measures:
 - Social distancing
 - Airport closure
 - Country lockdowns
- Measures resulted economic strains
- KSA: Hajj season in 2020 scaledback to 10,000 local pilgrims compared to 2.5 millions in 2019



Economic Impacts of COVID-19

- UN-ESCWA estimates for the Arab Region:
 - Loss of \$42 billion and 1.7 million jobs is expected in 2020
 - Loss of \$420 billion in market capital and \$11 billion in net oil revenues between January and mid-March 2020
- A ripple effect spread to remittance-dependent Arab Countries.



Case Study: Lebanon

Political instability

Economic Collapse

COVID-19 outbreak

Environmental health disaster: The Blast

Lebanon Beirut Port Explosion – August 4, 2020

One of the most powerful explosions in history



Beirut Port Explosion Destruction – Massive Destruction

Killed > 200 - Injured > 6500



















Lebanon's humanitarian crisis escalates after the Beirut blast

Abouzeid, M, Habib, R R, Jabbour, S, Mokdad, A H, & Nuwayhid, I

- Currency devalued by around 80%
- Extreme capital control measures
- Food price inflation up to 200%
- Poverty rate increased from 28% in 2019 to 55% in May 2020
 - →23% of the population in extreme poverty
- Essential medicine shortages
- Health personnel lay-offs and emigration
 - → Reduced hospital services
- COVID-19 cases tripled due to poor emergency preparedness & state fragility.

THE LANCET



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Explosion at Port August 4, 2020







Post-Explosion destruction After August 4, 2020







Fire at Port September 10, 2020





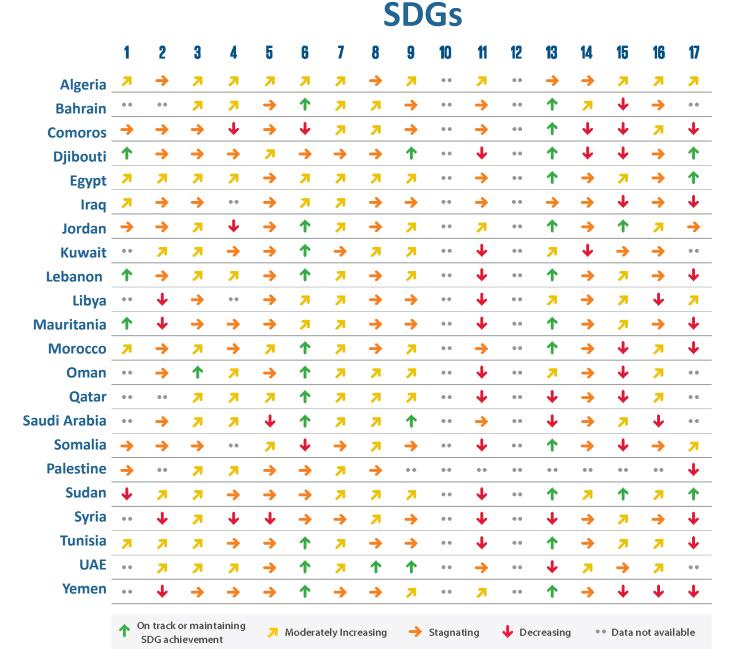


Tornado at Port October 22, 2020





Revisiting the SDG Index and Dashboards Report for the Arab World, 2019 ...



What is next?

Can Health unite the Arab Countries to reach the SDG targets?

- Viruses spread beyond borders.
- Countries cannot have health and safety policies in isolation of their neighbors.

Health for all is a necessity!



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Thank You

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