

Migration Health and Medicine

European Federation of the Academies of Medecine, Académie Royale de Médicine de Belgique, Académie Royale de Médicine de France

Migrant Health and Infectious Diseases: a Cause for Concern?

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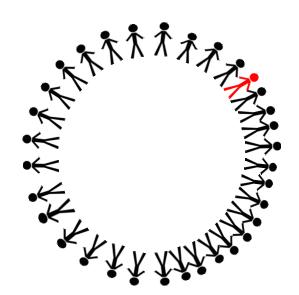
...facts are facts but perceptions can easily become the reality

...2015 often referred to as the year of the great migration crisis



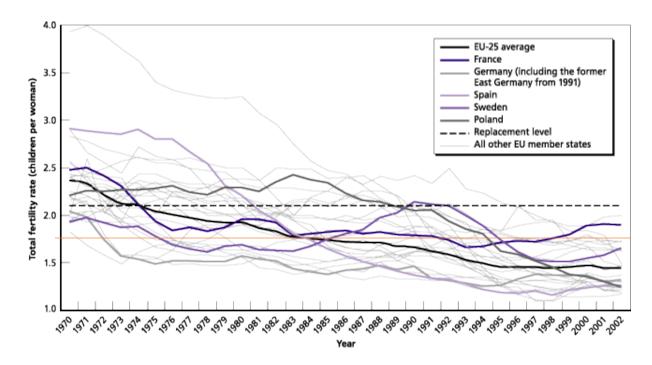
... in 2017 1 in 30 people in the world had "moved"

... in 2017 in EU of 512.46 million, slightly over 4% were newcomers





... they came to a demographically "emptying" continent that can only be replenished by the arrival of new people





... but many different people are on the move

•	people moving from countryside to cities?? mill
•	people moving across borders buying and selling?? mill
•	people moving with cattle across "borders"40 mill
•	people moving because of conflict69 mill
•	people moving because of nat. dis. in 10 years30 mill
•	people moving across borders search of work280 mill
•	people moving to make war or keep the peace26 mill
•	people moving in/across borders for recreation1,322mill



... diseases have long been seen as moving with people

...quarantine introduced at the end of 14th century in Dubrovnik, Milan and Venice) to prevent spread of plague



... population movement as a factor in the spread of bubonic plague?

- flea borne
- may have originate Thina and moved by ship rats
- very early seem as potentially spread by trade ships
- gave rise togardy quarantine
- port cities most at risk of outbreaks



...population movement as a factor in the spread of smallpox?

- 6th century trade with Chicand Korea moved it to Japan
 7th century Arab expansion took it to N.Africa, Spain, Portugal
- 11th century religious crusades moved it to, from Europe
- 15th century Pouguese colonization moved it to west Africa
- 16th century slave trade moved it to Caribbean, Americas
- 18th century British colonization moved it to Australia



... population movement as a factor the splead of yellow fever?

- mosquite supead
- originale in Africa, possibly west Africa
- mento Europe and Americas with slave trade era
- Tughout Carible an and South America



... population movement afactor in the spread of tuberculosis?



- spread along ade rottes and urban settlements
- possibly moved conotical across Atlantic
- and contracted by huters and fishermen
- then moved inland traders and others including migrants
- classic diseased proverty and overcrowding



... population movement as a first or in the spread of

cholera?

- waterborne
- early epidemiouthments in lacia
- although ry early mention Europe by Hippocrates
- from Waia me by British troop ships and troops
- moved to Wina, Jam, Malaysia, Baltic, Ireland, Americas
- and then to Mice East and Mecca



taken by Columbus

syphilis and gonorrhea?

brought back by wembus? moved aroundly military personnel and today tour tour mental today.





... population movement as a figure in the pread of influenza?

- Spanish flu probation originated US Mid West zoonotically
- clustered in a maround coop camps
- moved by treop movement to Europe in 1st WW
- rapidly assume blobal proportion, killing 40 millions in a year
- H1N1 probably originated in New Mexico
- and speed globally quickly



... population movement as a factor in the spread of sudden acute respiratory symme?

- probably originate boonotically in China
- · moved by "a posson out the move" to a hotel in Hong Kong
- and then an accelerated "geometric" centrifugal spread
- 8000 people in thousand across 5 continents in weeks



... population movement as thattor in the spread of infectious disease?

... HIV/ALES

- prosperly originated comotion by Central and West Africa
- moved with rural whan might hits to cities and into poverty
- facility ted by the long bunication and transportation
- tourists, writers en miners in Southern Africa



... population movement as a factor the spread of infectious diseases?

... measles

- probably moved whe Applicas and Pacific by explorers
- and then an melerator geometric centrifugal spread
- killing (with other imported diseases) large numbers
- more more propulations



... population movement a factor in the spread of infectious diseases?

... **HBV**

- origins difficult to haracters
- distribution gebal but Revalence variable
- population hove may have played a role
- curres prevale à function of vaccination coverage



... speed of population movements a factor in the spread of infectious diseases.

infectious diseases could on spread:

- as fast as propre courwalk
- then as sist and far as horses could gallop
- then as fast sernips could sail
- then as following the second fly
- 19 has Australia-London
- vsimonths in good weather in 19th century





... distance of population movement as a factor in the spread of infectious diseases?



- until 19th century www people eft the hocal environment
- for the most of the recologod and disease environment
- end of cash mass movement across eco-settings common
 today the world has become the "global village"
- world viewers grawn and so have avenues of movement
- · for all bovers including tourists



... origin of people on the move as a factor in spread infectious diseases?



- infectious disease wille largely reflects devpl. & SES settings
- risk equates with rigin of person on the move
- risk also cquites where person on the move is going and how





• infectious disease profile by gely reflects devpt. & SES settings

risk equates and places gone through

· risk alaccountee fow long and where in transit







- global epidemiology of infectious diseases highly variable
- infectious disease profile gely reflects devpt. & SES settings
- risk equates anditie into which people move
- risk also equates with how long they stay in the conditions"

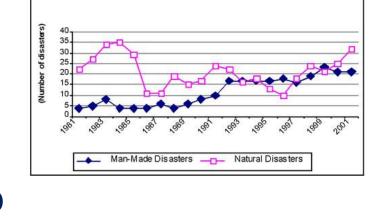




... is there a cause for concern?

- number of natural disasters going up
- number of man-made disasters going up
- social, economic and health inequalities growing
- climate change likely to displace over 200 million people
- population movement will continue and possibly grow









... is there a cause for concern?

we are not paying enough attention to

- the health conditions where people are moving from
- the health conditions where they transit
- the health conditions where the re-settle
- how to reach them early with CCT



... Dr Zuzanna Jakab WHO

... "the diseases they might have, are all well-established diseases in Europe

... "we have very good prevention and control programs for these diseases"











