

Capturing and analysing migration health data. What can we learn from current sources and initiatives?

Dr Dominik Zenner, Regional Office Brussels
<https://migrationhealthresearch.iom.int>



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The small print...



1. I have no conflict of interest.
2. I would like to acknowledge support of the IOM research unit, particularly Dr Kolitha Wickramage
3. The opinions expressed in this talk are those of the author and do not necessarily reflect the views of the International Organization for Migration (IOM). The presentation does not imply the expression of any opinion whatsoever on the part of IOM concerning the legal status of any country, territory, city or area, or of its authorities, or concerning its frontiers or boundaries.

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outline

1. Why are we here?
2. What do we need?
3. What do we have?
4. What do we make of this
5. Where do we need to go?



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Why are we here?



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"Making the invisible visible"

Dr Robert W Aldridge, UCL

© BBC / Sunday Times / 2018

Charity claims migrant with terminal cancer was 'denied treatment' at the Royal Derby Hospital

He died on Sunday



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Mandate...



"creating migrant-sensitive health systems that are financially sustainable, culturally sensitive and linguistically appropriate and delivered by a professional workforce aware of health issues associated with migration"



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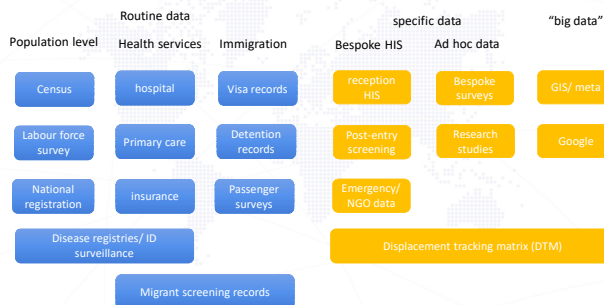
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Migrant health data... what is out there?



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What are the problems?

- Routine data**
 - "not built for this purpose"
 - No routine "migration markers" in health data
 - Problems with definitions and granularity (e.g. typology)
 - Practical problems with data linkage
 - Information governance/ legal concerns (usage and linkage)
- Specific data**
 - Collection depending on funding/ specific projects
 - Often specific to situations, not representative
 - Not sustainable
 - Information governance
- Big data**
 - How to interpret. Often unspecific/ need other sources to corroborate
 - Not always easy to access.

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What should we measure?

- Migrants?**
 - Definition?
 - Typologies?
- Non-dominant ethnicities?**
 - Definition?
 - Many non-migrants
- Persons with migration backgrounds?**
 - Captures second generation
- Acculturation and socio-cultural variables**
 - Language proficiency
 - Sense of belonging
 - Social support
 - discrimination



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Denominators

- Very important**
 - Calculation of rates
 - Population relevance
- Often poorly recorded**
 - Migrant typologies
 - incongruent/ disparate data collections
- Estimates needed**
 - Triangulating sources (e.g. visa statistics, census)
 - Use of proxies (ethnicities, names) with multiple imputation and sensitivity analysis
 - Importance of robust and replicable methodology

ORIGINAL ARTICLE
Reduction in tuberculosis incidence in the UK from 2011 to 2015: a population-based study
H Lucy Thomas,¹ Ross J Harris,² Morris C Muzamba,³ Jennifer A Davidson,¹ Mawon K Lublin,⁴ Colin N J Campbell,¹ Sarah B Anderson,⁵ Derrick Zoller^{1,6}

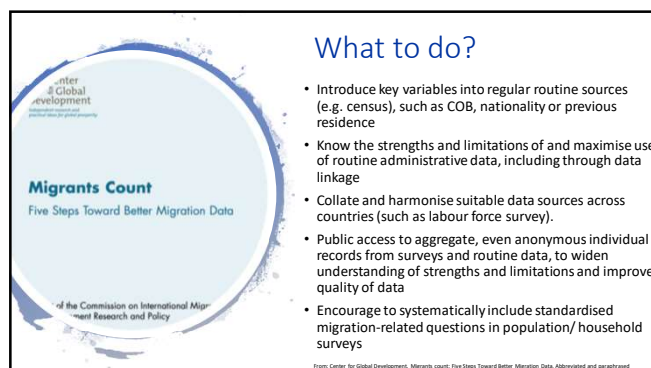
Evaluating 17 years of latent tuberculosis infection screening in north-west England: a retrospective cohort study of reactivation
Derrick Zoller^{1,2}, Miranda G. Luchini³, Ross Harris⁴, Stephen Wilson⁵ and S. Peter Denny^{6,7}

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What to do?

- Introduce key variables into regular routine sources (e.g. census), such as COB, nationality or previous residence
- Know the strengths and limitations of and maximise use of routine administrative data, including through data linkage
- Collate and harmonise suitable data sources across countries (such as labour force survey).
- Public access to aggregate, even anonymous individual records from surveys and routine data, to widen understanding of strengths and limitations and improve quality of data
- Encourage to systematically include standardised migration-related questions in population/ household surveys

From: Center for Global Development. Migrants count: Five Steps Toward Better Migration Data. Abbreviated and paraphrased



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What do we have? Examples...

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Migrant health records

Health records for migrants and refugees: A systematic review¹

Valentina Chiriac^{1,2,3,4}, Antonio Chiarenza¹, Davide Mosca¹, Bernd Rechel^{1,2,4}

¹Healthcare Unit of Regensburg, Regensburg, Austria
²Healthcare Unit of Regensburg, Regensburg, Austria
³Healthcare Unit of Regensburg, Regensburg, Austria
⁴Healthcare Unit of Regensburg, Regensburg, Austria

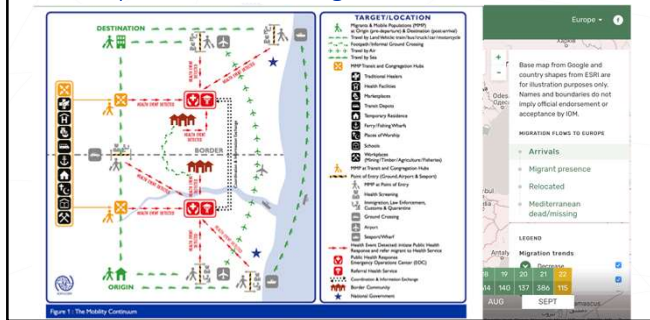
- SR of health records specific to migrants and refugees
 - Screened 1432, found 33 relevant papers on 20 databases
 - 30% cohort studies, 27% cross-sectional, some only narratives
- Highly variable, scope very different and some one-off or ceased already
 - 5 ePHR, 7 non-ePHR 3eMR, 3 mixed HR, 2 other HR (large imm records)
 - 55% implemented across different settings, e.g. hotspots, reception centres, hospitals and primary care centres
 - 10 had information on interoperability and 7 on data sharing with other facilities
- Papers report migrant health records improved
 - quality and continuity of care,
 - patient health outcomes,
 - adherence to guidelines,
 - patient satisfaction
 - Most evidence is narrative,
 - Subsequently published cluster RCT (Straßner et al) showed better recording and transmission of data

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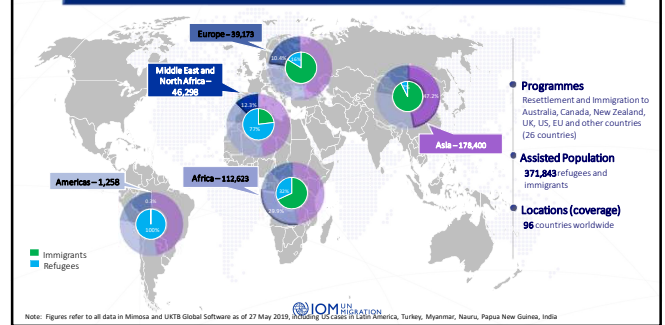
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The Displacement Tracking Matrix



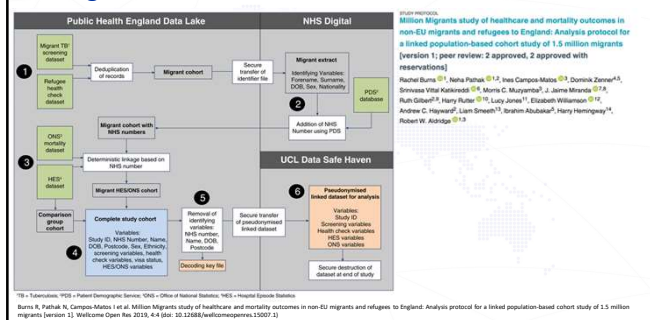
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MiMOSA - IOM HEALTH ASSESSMENTS WORLDWIDE, 2018



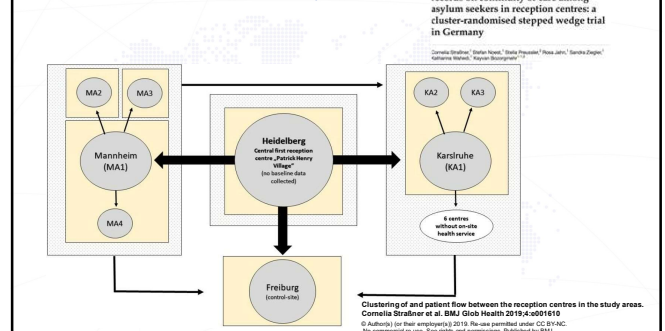
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Linking routine data

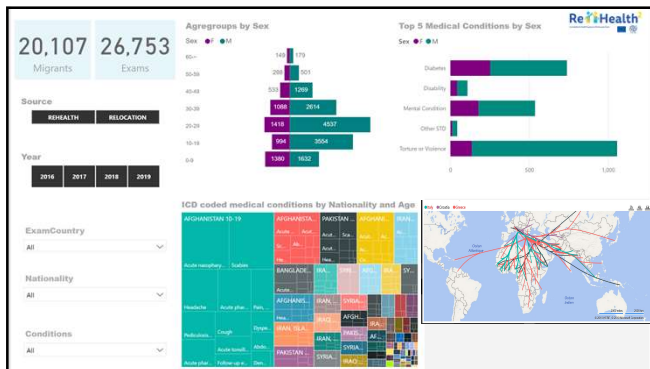


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Hand-held records in Germany



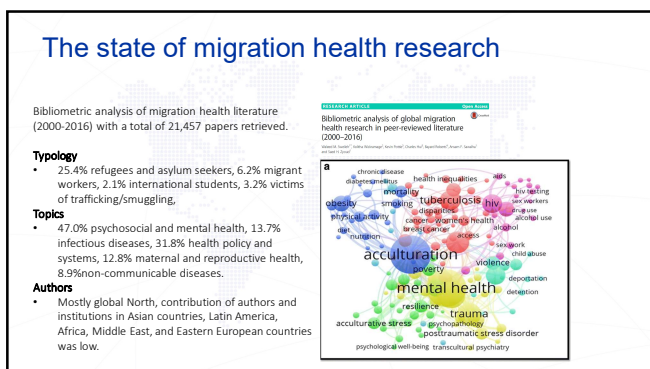
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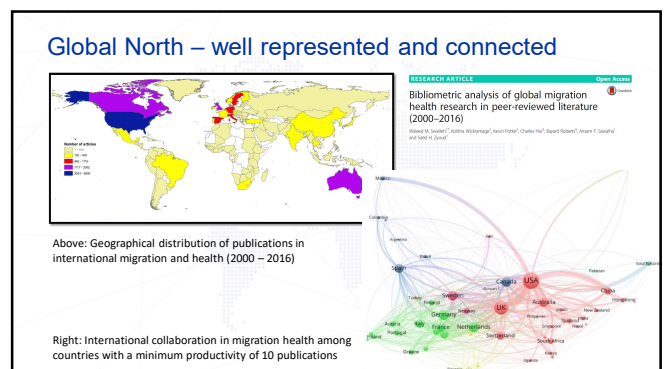
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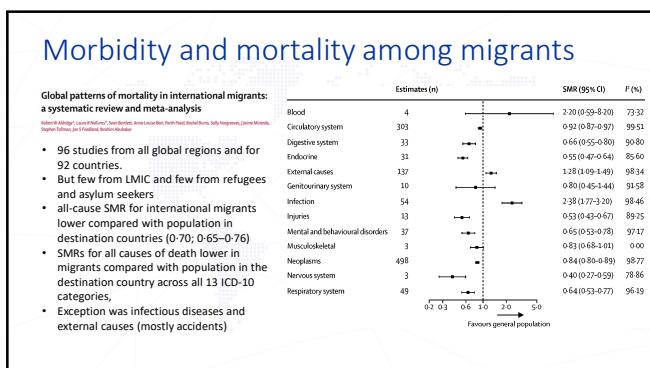
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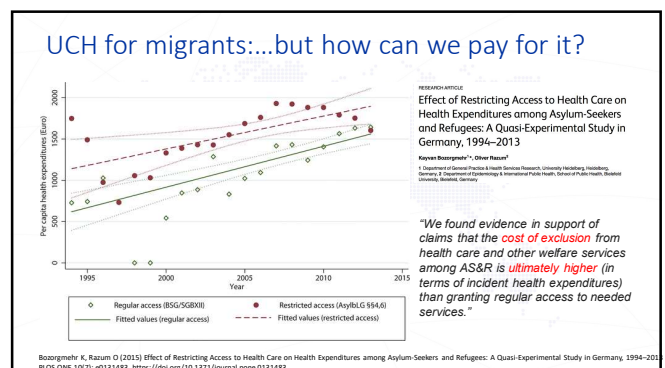
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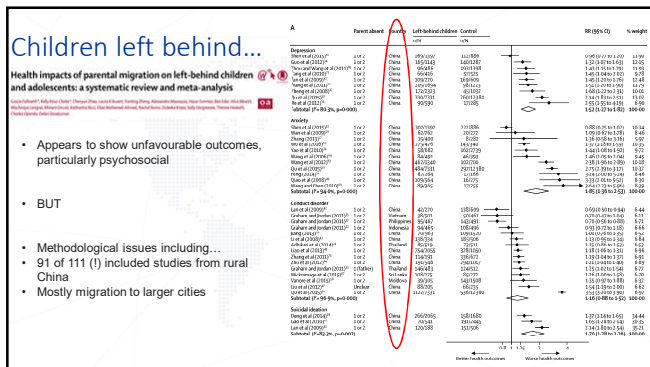
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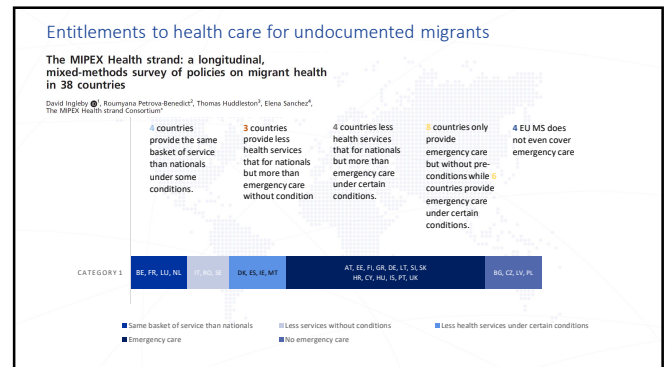
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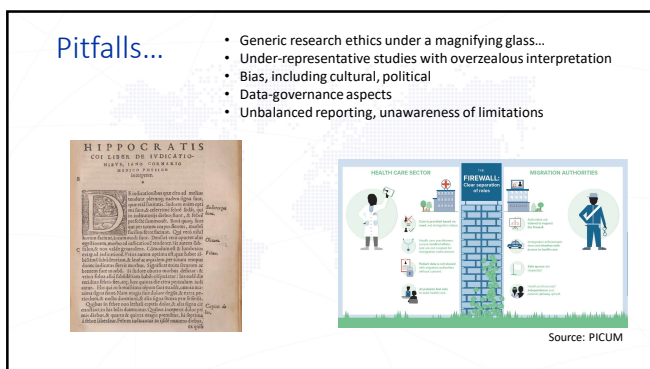
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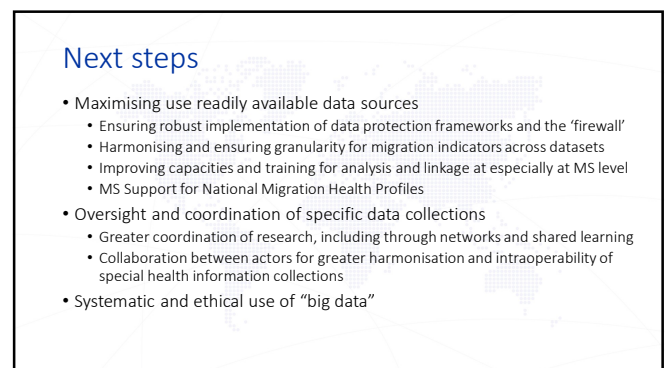
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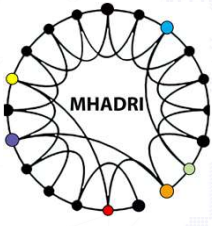
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Migration Health and Development Research Initiative (MHADRI)

- A global network of scholars which aims to promote research collaborations and capacity building to advance evidence-informed migration health policies and practices
- MHADRI has grown in membership over the past year to cover researchers across all continents
- IOM is the secretariat to MHADRI

Slide modified from original. With thanks to Dr Kolitha Wickramage

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Conclusion

- Good migration health data is the foundation of good public health and adequate and appropriate health service delivery for all
 - Good progress has been made to put this on the international agenda
 - There is now a strong mandate and this is mentioned in multiple frameworks incl. GCM
- This is still the start of the journey...
 - A lot of data is available, but poorly coordinated and utilised
 - There is an urgent need for better coordination and capacity building esp. in MS
 - Special data collection systems should be better coordinated and more interoperable
- We need a good and enforced research ethics framework
 - Research is often dominated by issues important to the global north, including health-security
 - Hard questions are not (sufficiently) addressed
 - Good quality, large, generalisable studies rare

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köszönöm!



I have a neighbour who knows 200 types of wine. ... I only know two types of wine - red and white. But my neighbour only knows two types of countries - industrialised and developing. And I know 200.

Hans Rosling, 1948-2017

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