

Swiss TPH



Swiss Tropical and Public Health Institute
Schweizerisches Tropen- und Public Health-Institut
Institut Tropical et de Santé Publique Suisse

Associated Institute of the University of Basel

Swiss Centre for International Health
Health Systems Support Unit
DEEP

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Evidence Meets Decision Makers: Better Use of Evidence for Better Health

Beyond evidence synthesis on effective interventions

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What do we know about Health Information Systems (HIS)?

How can we improve the quality and use of HIS for decision making?

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Systematic review on effectiveness of HIS interventions

P

Population: Users of HIS

I

Intervention: Any (paper and/or digital)

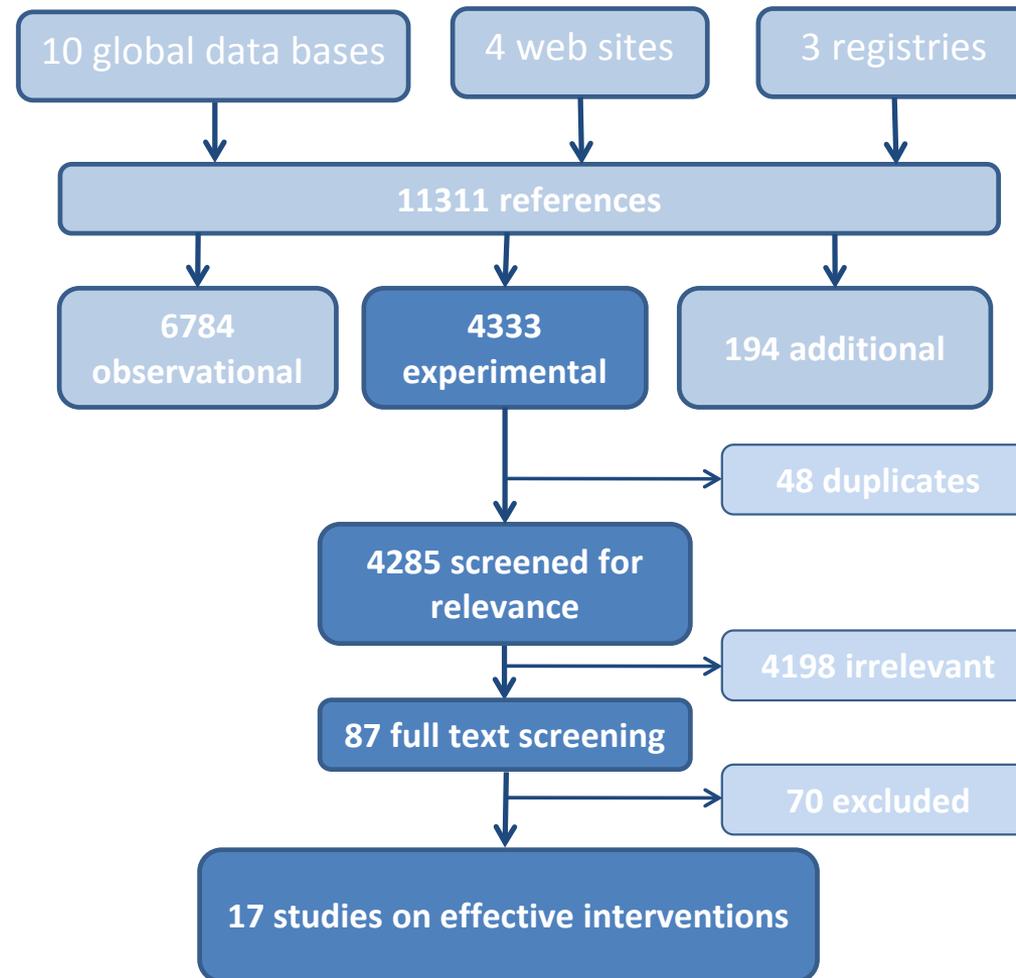
C

Comparison: Any (alternative, similar, none)

O

Outcome: Quality and use of data of HIS

Flow of studies





Profile of included studies for the systematic review on effectiveness of HIS interventions

Interventions:

- 5/17 digital (computer, laptop, tablet)
- 6/17 basic (cell) phone
- 4/17 paper
- 2/17 combinations

Targeted HIS components:

- 2/17 studies with interpretation of information
- 5/17 studies with recording of information
- 10/17 studies with combinations: 5 recording and interpretation; 2 recording and transforming, 2 recording and reporting; 1 recording and transmission

Outcomes:

215 data points: 65 quality of data; 30 use of data; 120 other outcomes

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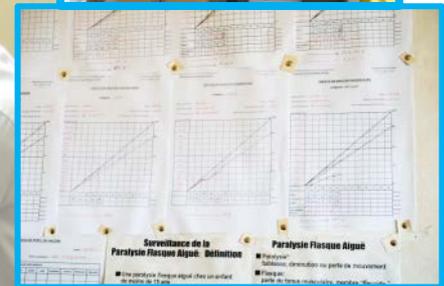
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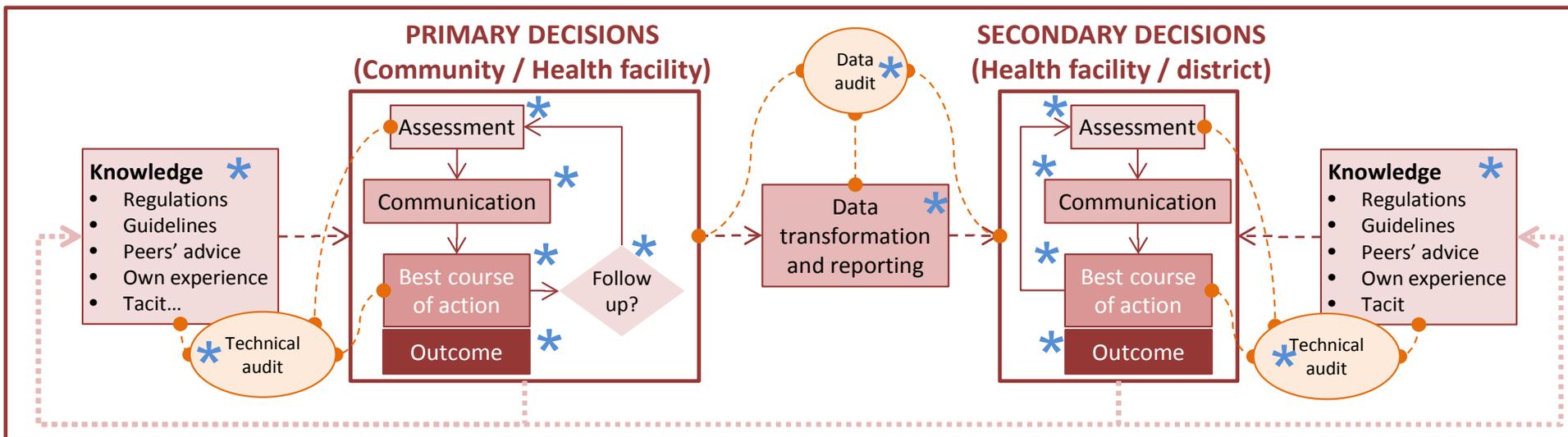
Characterisation of the HIS in Côte d'Ivoire, Nigeria and Mozambique

Evidence from real world settings





Framework of decision making in PHC





Systematic review on HIS based decision making

P

Population samples: Actors involved in the PHC system (health workers, managers, politicians)

I

Interesting phenomenon: HIS tools, data tools and applications responsive to decision making processes and components

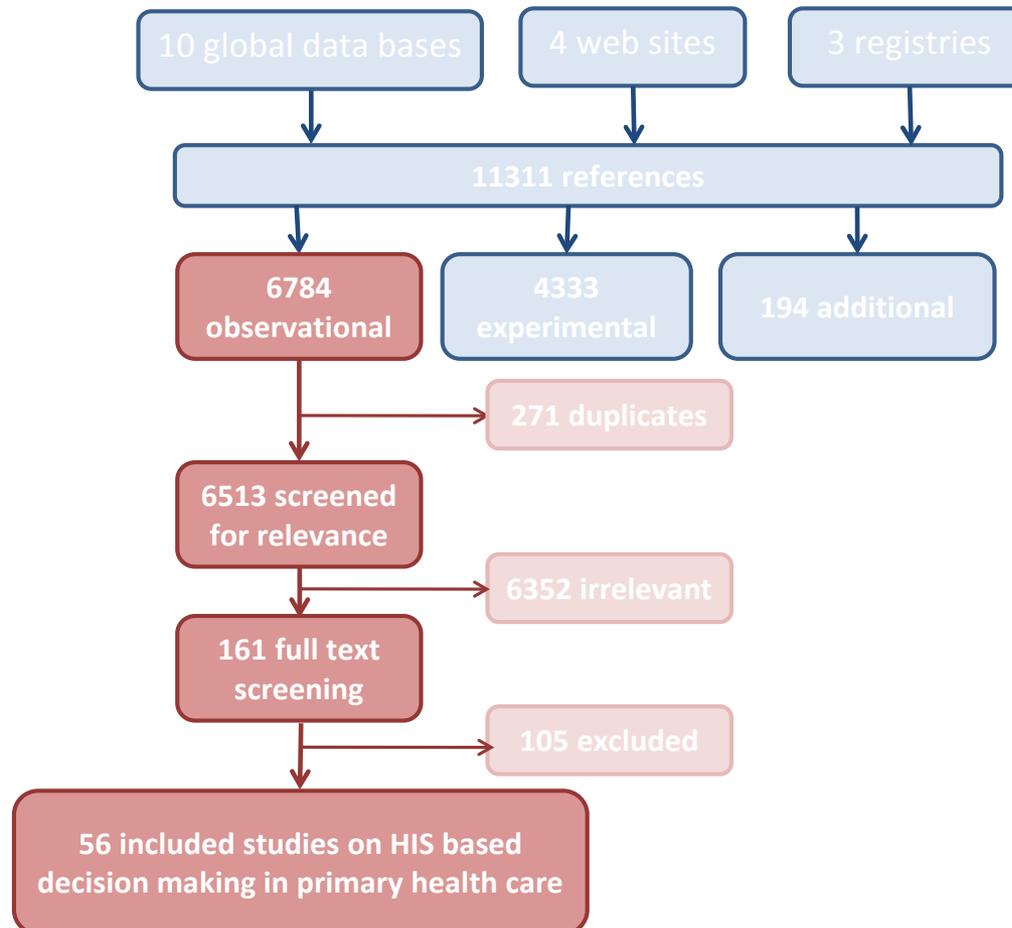
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Context: PHC System

O

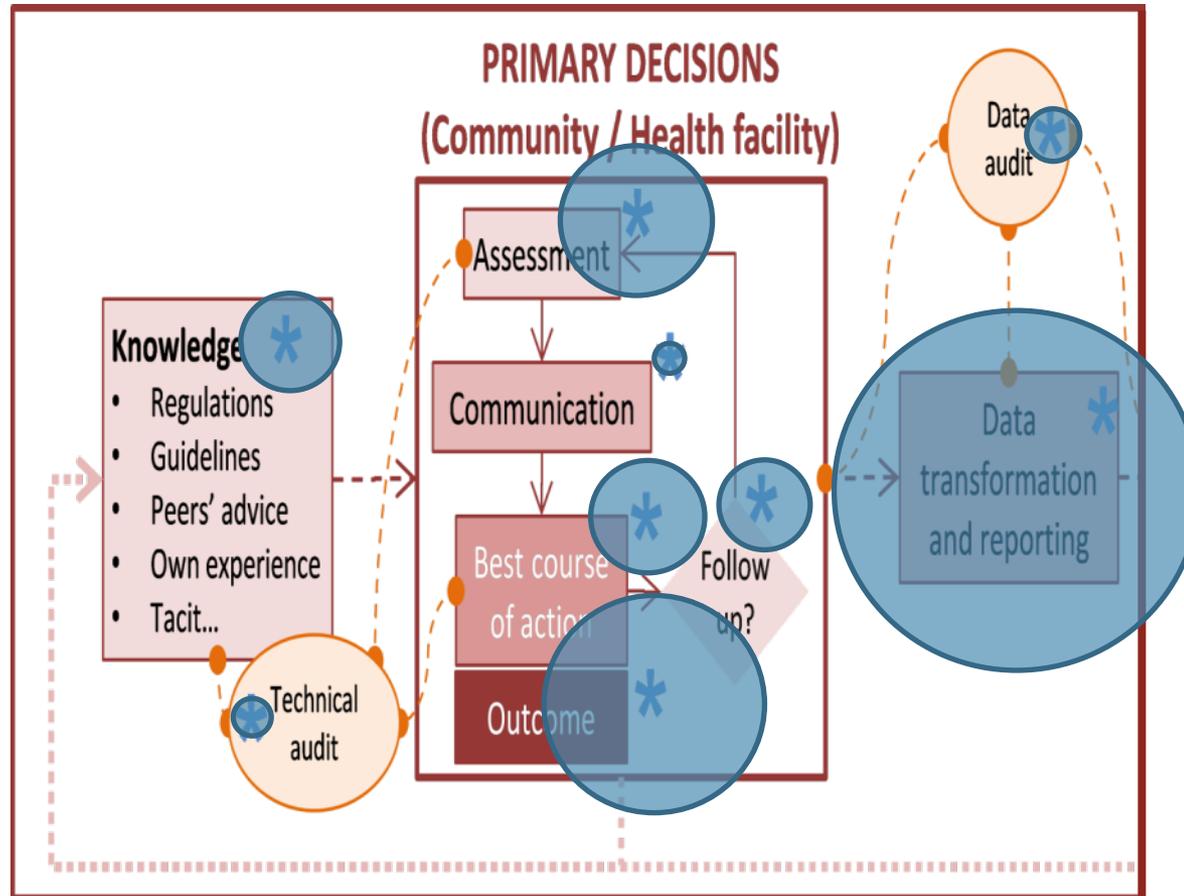
Outcome: Possibilities and constraints of HIS for decision making; Perceptions; Experiences; Lessons learned

Flow of studies





Preliminary findings of the systematic review on HIS based decision making



Conclusion

Conclusions from the field visits:

- Humans are in the centre of decision making

Conclusions for systematic reviews:

- Added value of evidence from real world settings
- Reshape global evidence syntheses to make them relevant to the real world
- Methodological challenges and flexibility.
- Understanding of complex phenomena and interventions



Thank you very much for your attention

