

TYPHOID FEVER LITERATURE SEARCH

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**START
CENTER**

STRATEGIC ANALYSIS,
RESEARCH & TRAINING CENTER

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Outline

- Work Order
- Approach to Literature Search
- Findings from Literature Search

WORK ORDER

Work Order

Objective: Identify peer-reviewed and grey literature on global typhoid fever that contribute to improving current scientific knowledge since 2007

The search focused on the following areas:

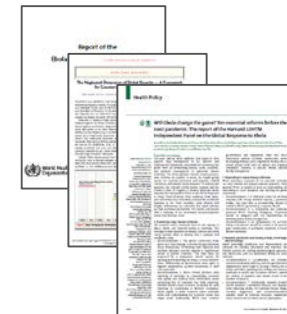
- Epidemiological patterns and global burden of typhoid fever
 - ▣ Including data on typhoid fever outbreaks – epidemiological data and outbreak control strategies
- Surveillance and environmental surveillance
- Economic burden of typhoid fever, economic evaluation of vaccination and other control strategies
- Recent trends in antibiotic resistance of *Salmonella typhi*
- Challenge models and vaccine trials

APPROACH TO LITERATURE SEARCH

Literature Search Strategy

- Primary search conducted in PubMed
 - ▣ Validation search conducted using Google Scholar
- Period covered: From January 2007-to-Present
- Priority on publications in English
- Restricted to human subjects
- Focus on *Salmonella typhi*

Search terms	
typhoid	typhoid fever
S typhi	S paratyphi
*typhi	*paratyphi
Salmonella typhi	Salmonella paratyphi

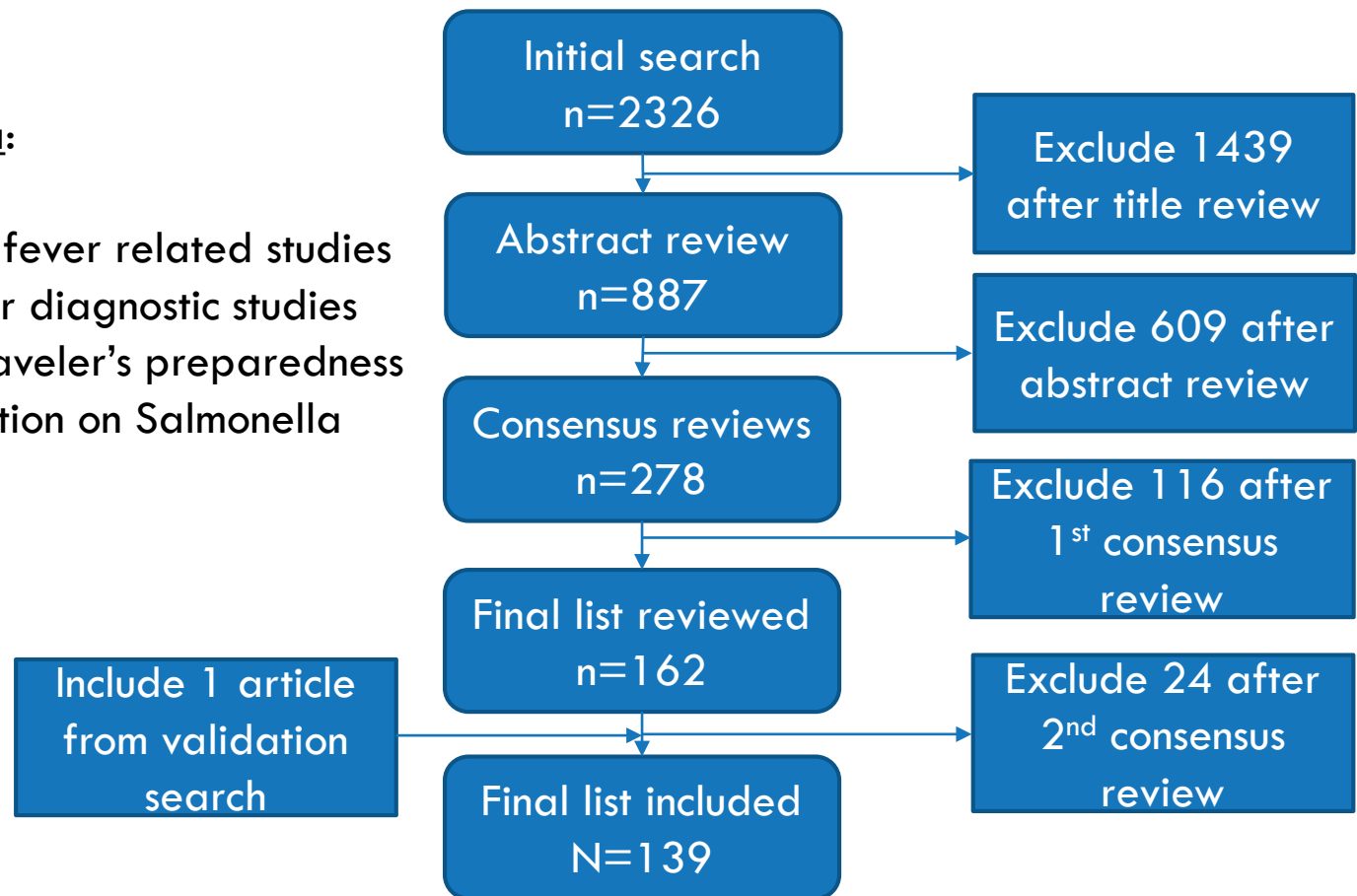


FINDINGS FROM LITERATURE SEARCH

Summary of Literature Search Results

Exclusion criteria:

- Lab studies
- Non-typhoid fever related studies
- Typhoid fever diagnostic studies
- Studies on traveler's preparedness
- Larger collection on Salmonella



Breakdown of Articles by Content Area

Category	Number of articles
Epidemiological patterns and global burden of typhoid fever	57
Surveillance & environmental surveillance	40
Economic burden of typhoid fever and evaluation of vaccination	7
Antibiotic resistance of <i>S. typhi</i>	50
Challenge models and vaccine trials	34

- ❑ 24 articles discussed both burden and surveillance categories
- ❑ 11 articles discussed burden, surveillance, and antimicrobial resistance categories
- ❑ 16 articles discussed both antibiotic resistance and surveillance categories
- ❑ 9 articles not in English Languages in Chinese or French



APPENDIX



PubMed Search terms

(((((((((typhoid) OR typhoid fever) OR *typhi) OR salmonella typhi) OR s typhi)
OR *paratyphi) OR salmonella paratyphi) OR s paratyphi) AND (
"2007/01/01"[PDat] : "2016/12/31"[PDat]) AND Humans[Mesh])

