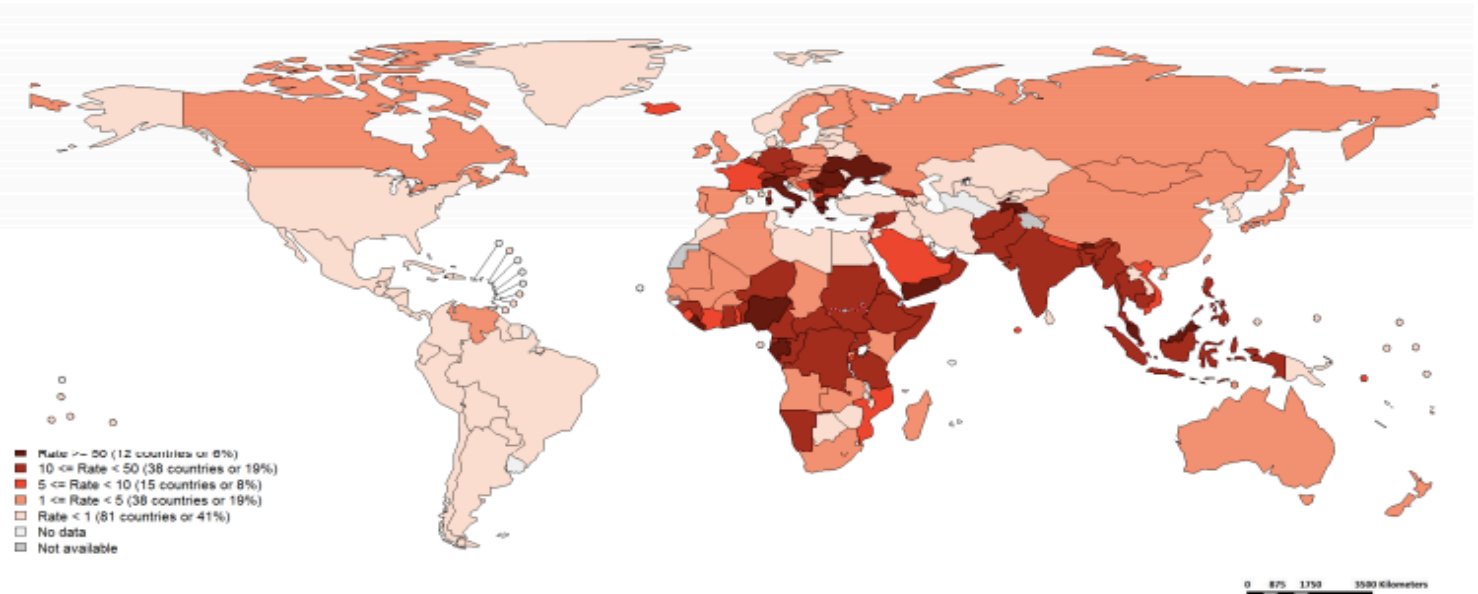


Measles Incidence Rate per Million

Top 10**		
Country	Cases	Rate
India	55226	41.71
Nigeria	10795	58.04
Indonesia	6583	25.21
Pakistan	6437	33.32
China	5762	4.11
Romania	5562	281.22
Italy	5006	84.23
Ukraine	4767	107.27
Bangladesh	4176	25.63
DR Congo	3772	47.91

Other countries with high incidence rates***		
Country	Cases	Rate
Gabon	1084	547.53
Greece	967	86.46
Liberia	392	84.96
Serbia	702	79.59
Tajikistan	649	74.30
Bhutan	59	73.96
Malaysia	1924	61.69



Map production: World Health Organization, WHO, 2017. All rights reserved
Data source: IVB Database

Disclaimer:
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Measles cases from countries with known discrepancies between case-based and aggregate surveillance, as reported by country			
Country	Year	Cases	Data Source
DR Congo	2017	45,147	SITUATION EPIDEMIOLOGIQUE DE LA ROUGEOLE EN RDC, Week of 6/2/2018
	2018	574	
Somalia	2017	23,353	Somali EPI/POL Weekly Update Week 5, 2018
	2018	1264	

Based on data received 2018-02 and covering the period between 2017-01 and 2017-12 - Incidence: Number of cases / population* * 100,000 - * World population prospects, 2017 revision - ** Countries with the highest number of cases for the period - *** Countries with the highest incidence rates (excluding those already listed in the table above)

SAGE Working Group

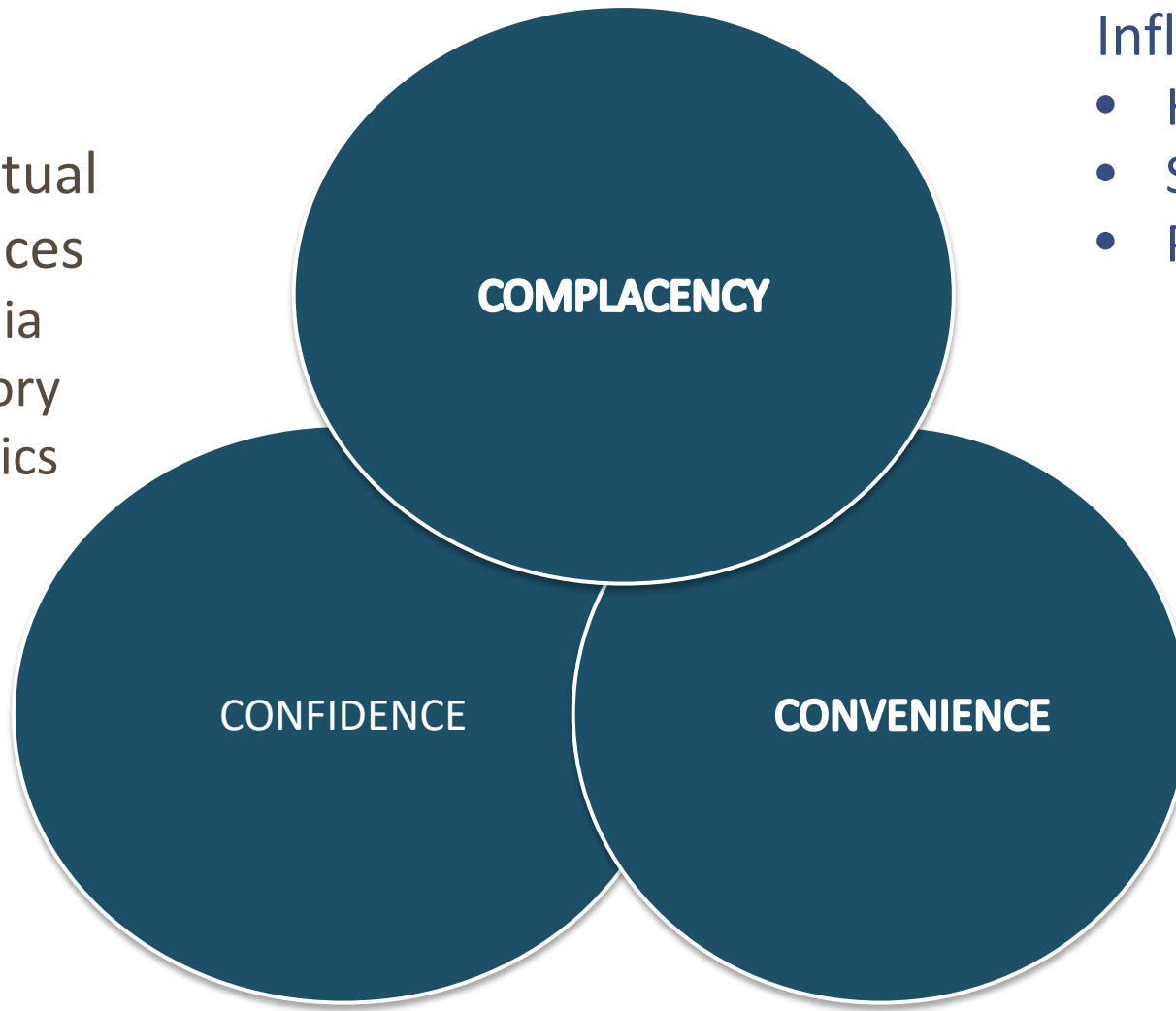
- Vaccine hesitancy is a behavior influenced by a number of factors including issues of **confidence**, **complacency**, and **convenience**.
- Vaccine-hesitant individuals are a **heterogeneous group** who hold varying degrees of indecision about specific vaccines or vaccination in general.
- Vaccine hesitant individuals **may accept** all vaccines but **remain concerned** about vaccines; some **may refuse or delay some** vaccines, but accept others; some individuals **may refuse all** vaccines.



SAGE Model

Contextual Influences

- Media
- History
- Politics



Individual / Group Influences

- Health beliefs
- Social Norms
- Perceived Risk

Vaccine Specific Issues

- Cost
- Schedule
- Delivery

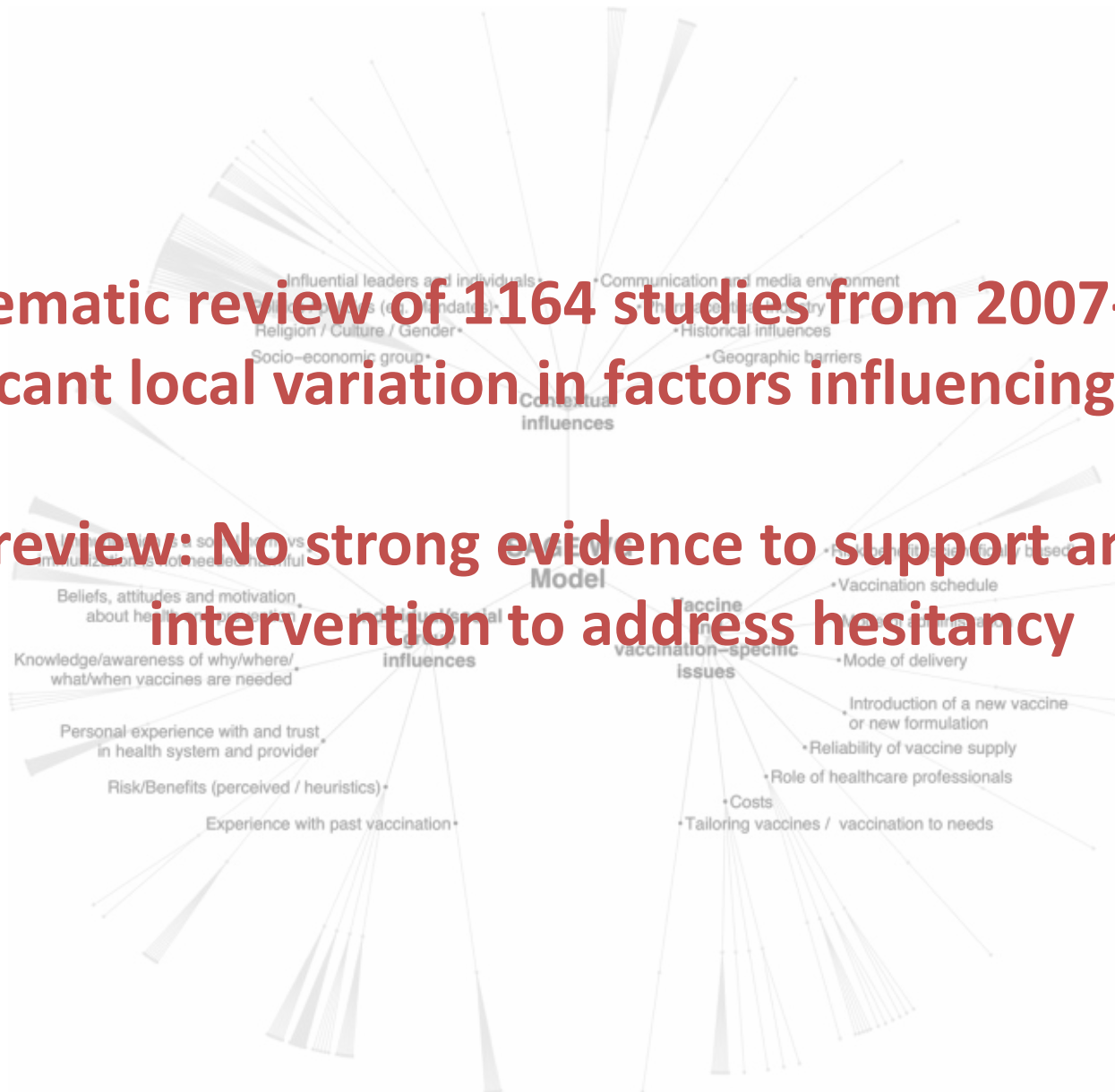
SAGE Model



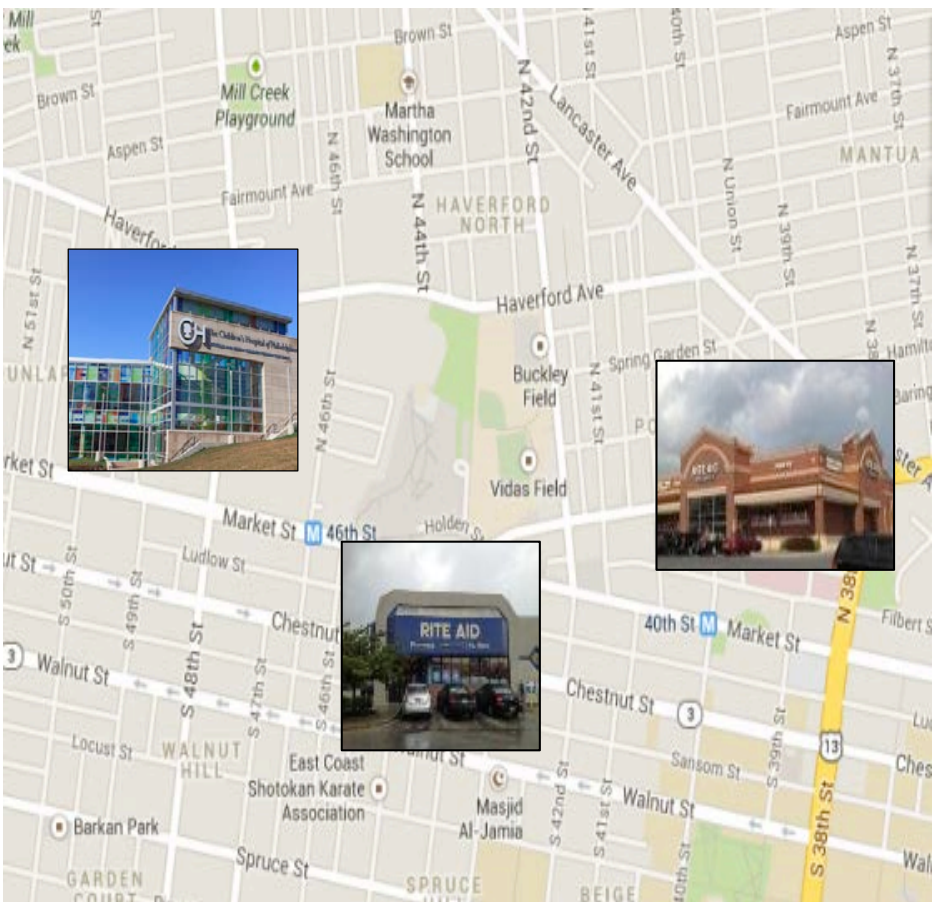
There is a lot to learn

Systematic review of 1164 studies from 2007-12 finds significant local variation in factors influencing hesitancy

2015 review: No strong evidence to support any specific intervention to address hesitancy



Pharmacy Vouchers and Tdap Vaccination of Infant Caregivers



The Children's Hospital of Philadelphia
A pediatric healthcare network

\$5 OFF PERTUSSIS (WHOOPING COUGH) VOUCHER

WE CARE ABOUT YOUR HEALTH!
Rite Aid is pleased to offer you this \$5.00 OFF pertussis (whooping cough) vaccine voucher to help protect you.

The Children's Hospital of Philadelphia
A pediatric healthcare network

FREE PERTUSSIS (WHOOPING COUGH) VOUCHER

WE CARE ABOUT YOUR HEALTH!
Rite Aid is pleased to offer you this FREE pertussis (whooping cough) vaccine voucher to help protect you.

This voucher entitles you to a free Tdap vaccine at participating Rite Aid Pharmacies at 4055 Market Street and 4641 Chestnut Street.

Tdap is an important vaccination that can help protect your infant from pertussis ("whooping cough").

See enclosed Vaccine Information Sheet for more information.

Please talk with your doctor or with the pharmacist if you have any questions about the Tdap vaccine.

Expiration date: 11/1/2018. This voucher has no cash value and is not redeemable for any other items.
ATTN Pharmacy Associate: Be claim to "CHILDREN'S HOSPITAL OF PHILADELPHIA TDAP (NOT OLV)" using the 3 digit number in the top right corner of this voucher as the ID number.

Take this voucher to:

	Rite Aid 4641-51 Chestnut St. Philadelphia, PA 19139 (215) 474-5447 Store Hours: M-F 8:00am - 9:00pm Sat 8:00am - 9:00pm		Rite Aid 4055-89 Market St. Philadelphia, PA 19104 (215) 382-4260 Store Hours: M-F 8:00am - 9:00pm Sat 8:00am - 9:00pm
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Hours:
8:00am - 8:00pm
8:00am - 8:00pm
10:00am - 6:00pm
Pharmacy Hours:
8:00am - 9:00pm
8:00am - 9:00pm
10:00am - 8:00pm



Pharmacy Vouchers and Tdap

Only 1 person used the full cost voucher

% responding “Agree” or “Strongly Agree”	\$5 (n = 15)	Full cost (n = 17)
The pediatrician’s office was a good place to receive the vaccine voucher	87%	82%
During the well-baby visit was a good time to receive a vaccine voucher	80%	94%
The [participating] pharmacies were convenient locations for me to use the voucher	67%	88%
The voucher persuaded me to get the vaccine	67%	65%

Role of Pediatric Societies

