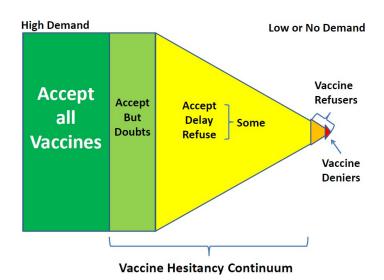
# **Definition of Vaccine Hesitancy**



### Vaccine Hesitancy

- refers to delay in acceptance or refusal of vaccines *despite availability of vaccine services*
- complex and context specific varying across time, place and vaccines

Vaccine attitudes can be seen on a continuum, ranging from total acceptance to complete refusal. Vaccine-hesitant individuals are a heterogeneous group in the middle of this continuum. Vaccine hesitant individuals may refuse some vaccines, but agree to others; delay vaccines or accept vaccines but are unsure in doing so.



SAGE Working Group on Vaccine Hesitancy Final Report

<u>www.who.int/immunization/sage/meetings/2014/october/SAGE\_working\_group\_revised\_report\_vaccine</u> <u>hebitancy.</u>

MacDonald NE and SAGE Working Group on Vaccine Safety. Vaccine 2015; 33(34):4161<u>Ahff. T. Wichramasinghe</u> 11th International Congress of Tropical Pediatrics, 4th-7th August, Yogyakarta, Indonesia

## If Vaccination is so invaluable, why do people hesitant?

Vaccination is always given to an otherwise healthy child Vaccination does not provide 100% protection

Most of these diseases are not in the community

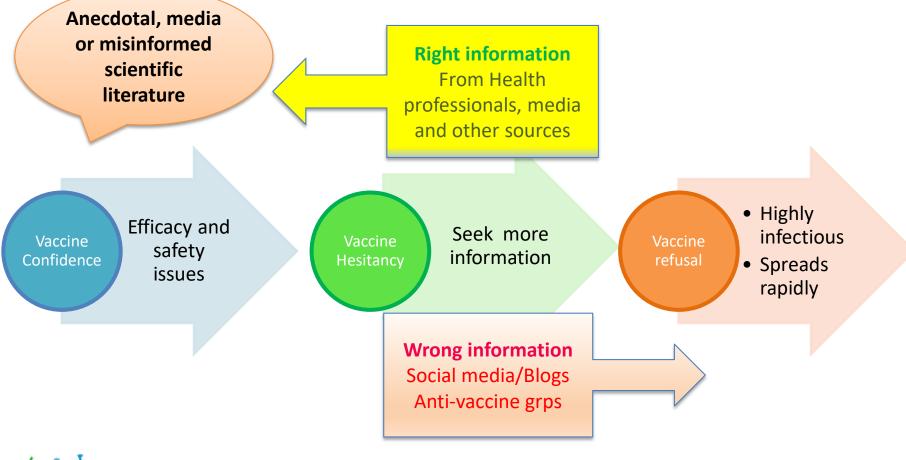
Child may not get the disease even if he is not vaccinated

Adverse event how trivial it is parents takes it very serious as it is given to a healthy child Ubiquity of vaccination, often makes it an easy target for blame



Dr.H.T. Wichramasinghe

# Vaccine Hesitancy is a communicable disease...





11th International Congress of Tropical Pediatrics, 4th-7th August, Yogyakarta, Indonesia

Dr.H.T. Wichramasinghe

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Rigion/culture/gender/socio-economic Risk/Benefit (scientific evidence) Communication and media environment Risk/Benefit (scientific evidence) Influential leaders, gatekeepers and anti-or Religion/culture/gender/socio-economic Risk/Benefit (scientific evidence) Communication and media environment	Knowledge/awareness Risk/Benefit (scientific evidence) Religion/culture/gender/socio-economic Risk/Benefit (scientific evidence) Religion/culture/gender/socio-economic Religion/culture/gender/socio-economic Religion/culture/gender/socio-economic	Risk/Benefit (scientific evidence) Knowledge/awareness Risk/benefit (perceived, heuristic) Risk/Benefit (perceived, heuristic) Risk/Benefit (perceived, heuristic) Risk/Benefit (scientific evidence) Risk/Benefit (scientific evidence) Knowledge/awareness Communication and media environment and 9	Knowledge/awareness Influential leaders, gatekeepers and anti- or Beliefs, attitudes about health and prevention Religion/culture/gender/socio-economic Beliefs, attitudes about health and prevention Religion/culture/gender/socio-economic Religion/culture/gender/socio-economic	Knowledge/awareness Risk/Benefit (scientific evidence) Design of vaccination program/Mode of delivery Knowledge/awareness Risk/Benefit (scientific evidence) Other Risk/Benefit (scientific evidence) No hesitancy Knowledge/awareness	Risk/Benefit (scientific evidence) Knowledge/awareness Geographic barriers Risk/Benefit (scientific evidence) Knowledge/awareness Religion/culture/gender/socio-economic and Risk/Benefit (scientific evidence) Knowledge/awareness
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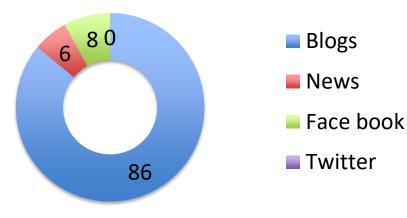
#### Vaccine hesitancy around the globe: Analysis of three years of WHO/UNICEF Joint Reporting Form data-2015-2017. Lane S, MacDonald NE, Marti M, Dumolard L.

Lane S, MacDonald NE, Marti M, Dumolard L. Vaccine. 2018 Jun 18;36(26):3861-3867. doi: 10.1016/j.vaccine.2018.03.063. Epub 2018 Mar 28.

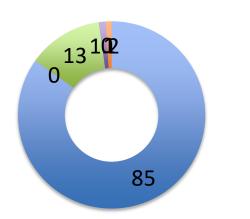


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### **Rumanian Netwotks**

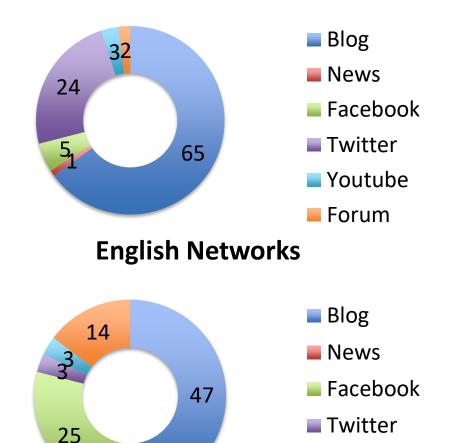


**Polish Networks** 









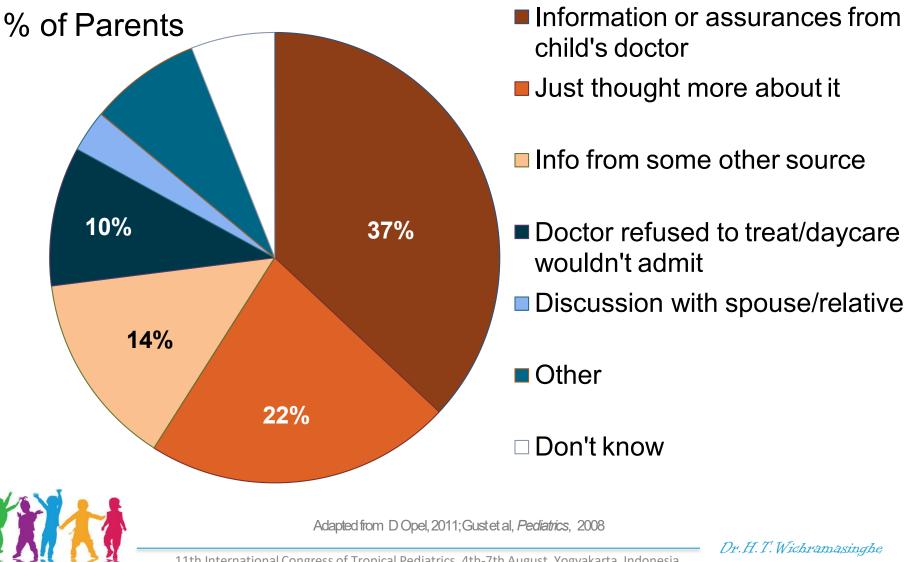
### Distribution by channel for various networks

Dr.H.T.Wichramasinghe

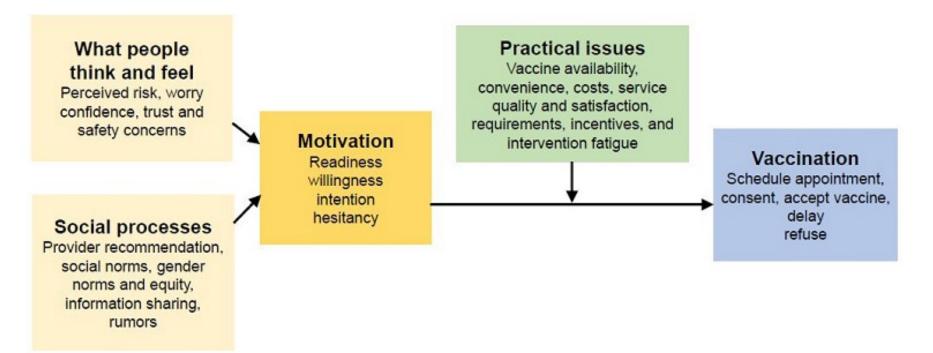
Youtube

Forum

### **Why Parents Change Their Minds**



# Increasing Vaccination Model



Source: The BeSD expert working group. Based on: Brewer NT, Chapman GB, Rothman AJ, Leask J, and Kempe A (2017). Increasing vaccination: Putting psychological science into action. Psychological Science for the Public Interest. 18(3): 149-207



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