



The power of pneumonia-fighting vaccines

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Common and less common cause of pneumonia in children and adults


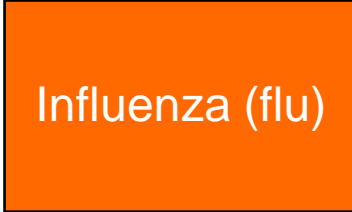
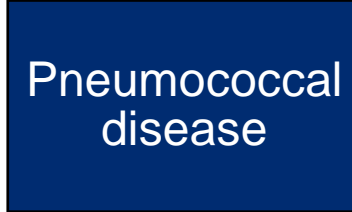


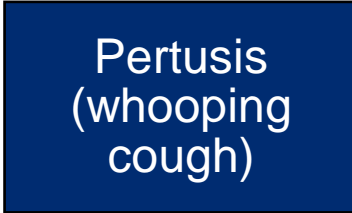

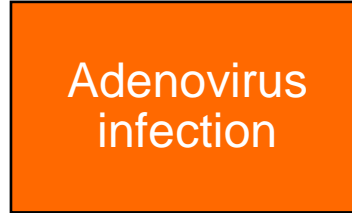

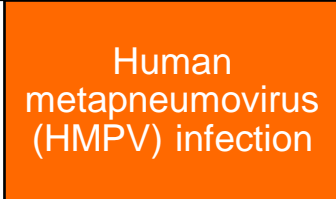
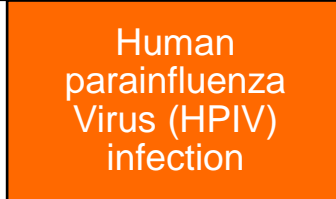



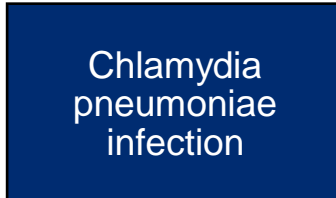
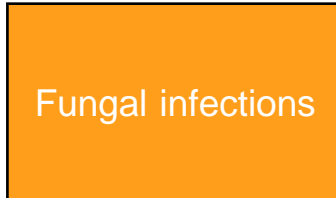

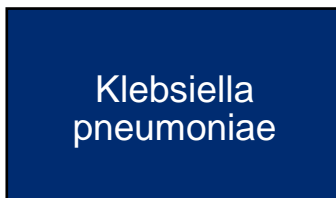
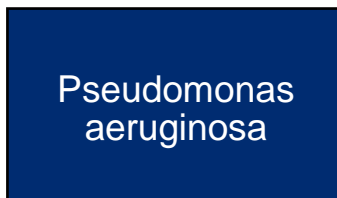
Pneumonia is a lower respiratory tract infection typically caused by viruses, bacteria and fungi infection of the lungs

Pneumonia largely affects the extremes of life (young children and older adults) and people with compromised immunity,

Pneumonia is also threat non-immunocompromised young adults. In the US for example, half the deaths from bacteremic pneumococcal pneumonia occur in people ages 18-64.

Key

	Viruses
	Bacteria
	Fungi

 COVID-19	 Influenza (flu)	 Pneumococcal disease	 Haemophilus influenzae disease
 Measles	 Pertusis (whooping cough)	 Chicken pox	 Adenovirus infection
 Respiratory syncytial virus (RSV) infection	 Human metapneumovirus (HMPV) infection	 Human parainfluenza Virus (HPIV) infection	 Legionnaires disease
 <i>Mycoplasma pneumoniae</i> infection	 Rhinovirus infection	 Chlamydia pneumoniae infection	 Fungal infections
 Psittacosis		 <i>Klebsiella pneumoniae</i>	 <i>Pseudomonas aeruginosa</i>

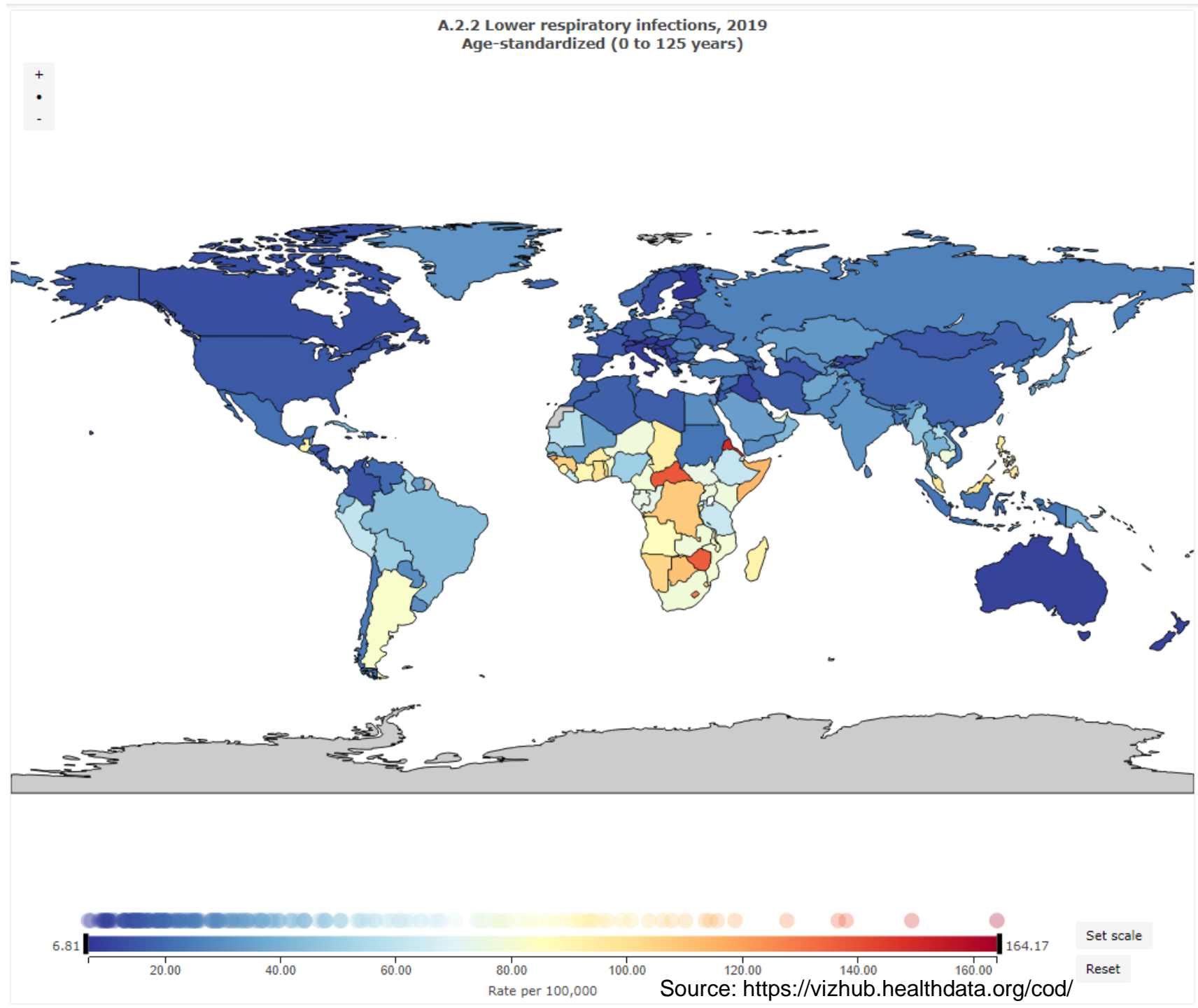


Global burden of pneumonia

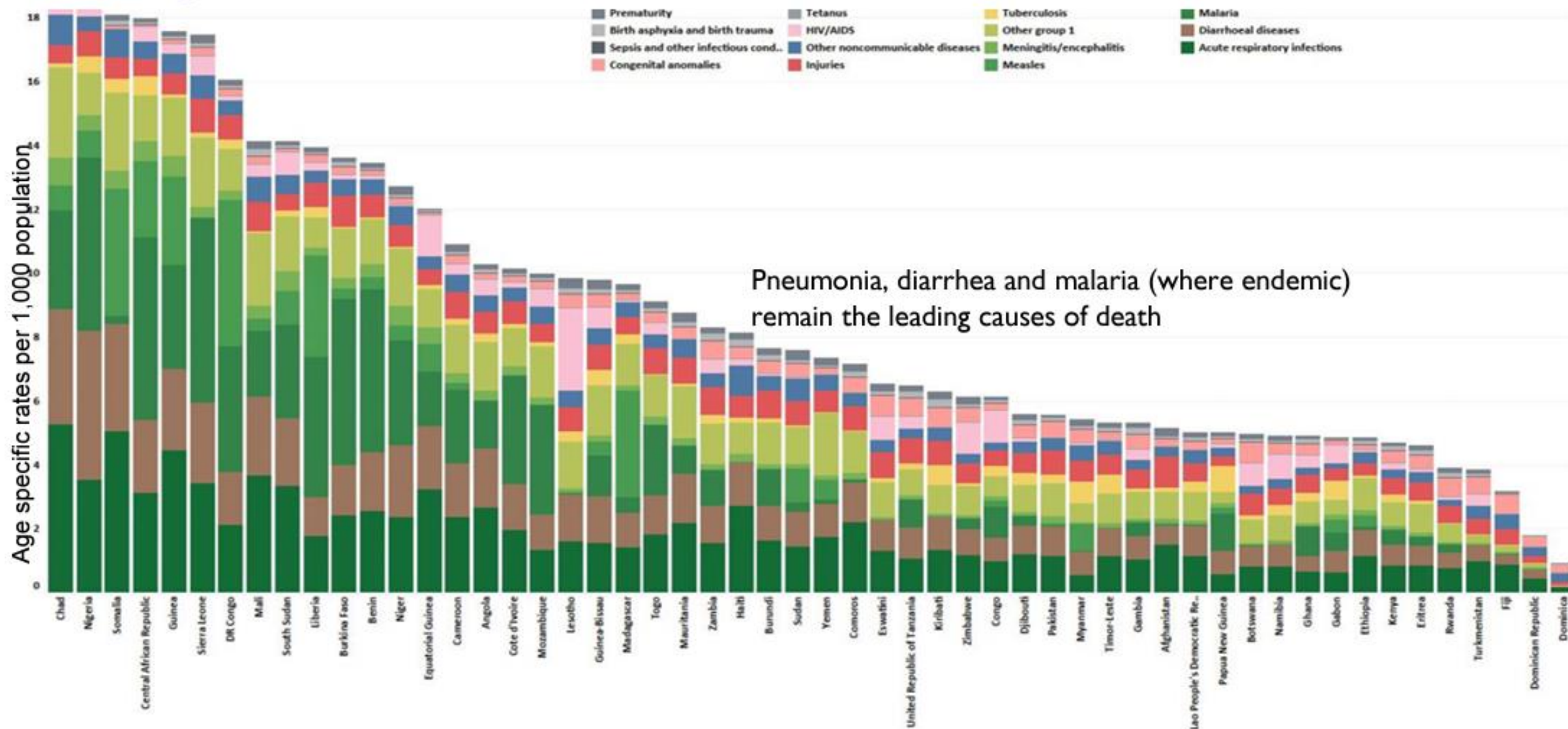
Pneumonia is the leading infectious cause of child death and accounts for 14% of all deaths of children under 5 years old

A child under 5 dies of pneumonia every 39 seconds

In 2019, WHO estimates that pneumonia and killed 740, 180 children.



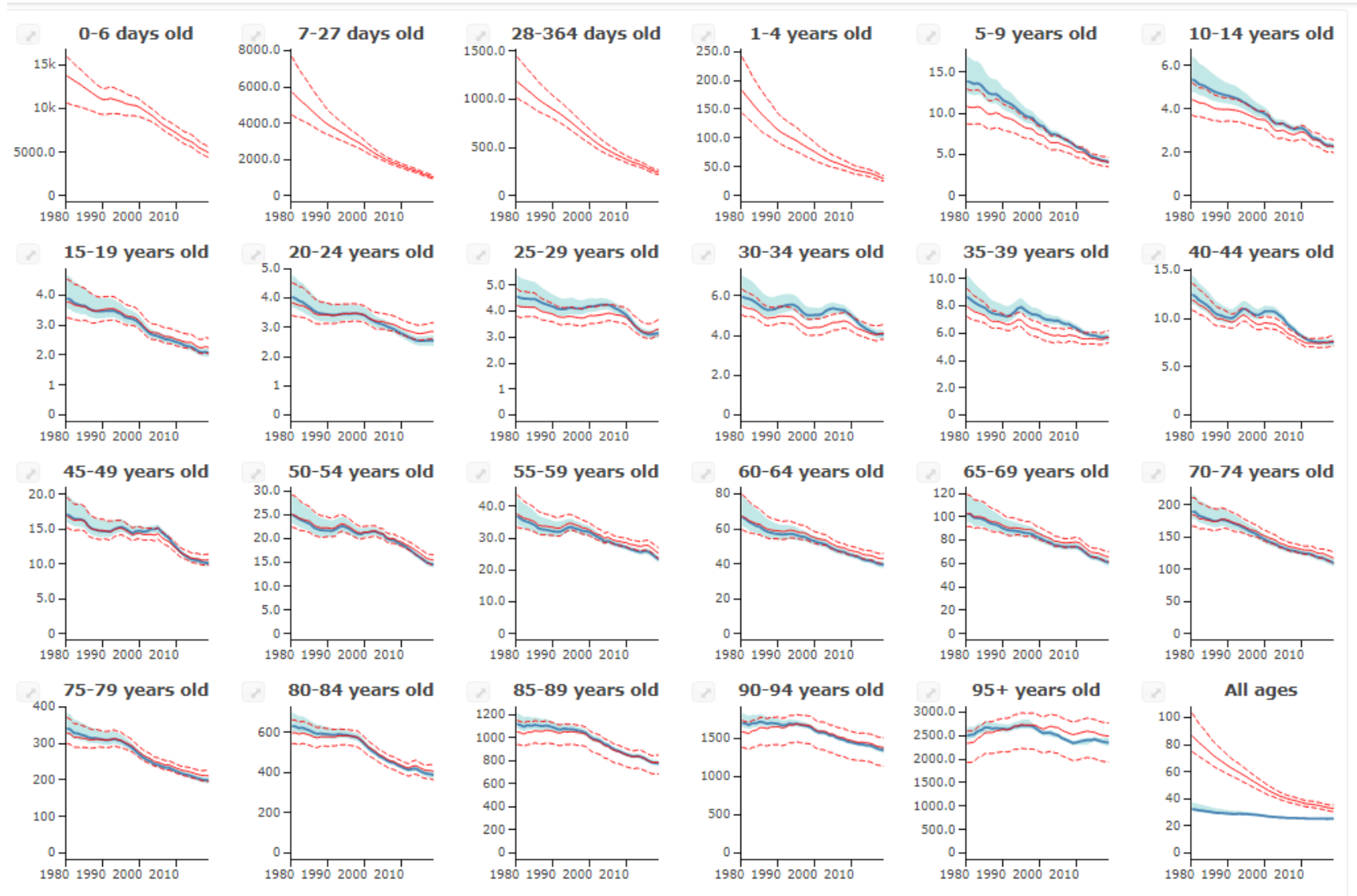
Leading causes of post-neonatal (1-59 months) death in 54 countries needing accelerated action



54 countries needing accelerated efforts to meet SDG survival targets by 2030



Across the life-course, the incidence of acute lower respiratory infections is dropping, but progress is slow





Vaccines are an important pillar of the WHO/Unicef **Integrated Global Action Plan for Pneumonia and Diarrhea**

GAPPD sets forth the following coverage targets for its recommended interventions, which countries should strive to achieve:

PROTECT



50%

rate of exclusive breastfeeding for the child's first six months of life

PREVENT



90%

coverage for each of the following vaccines: pertussis, measles, Hib, pneumococcal conjugate, and rotavirus vaccines

TREAT



90%

treatment coverage for children with suspected pneumonia, including care by an appropriate health care provider and antibiotics

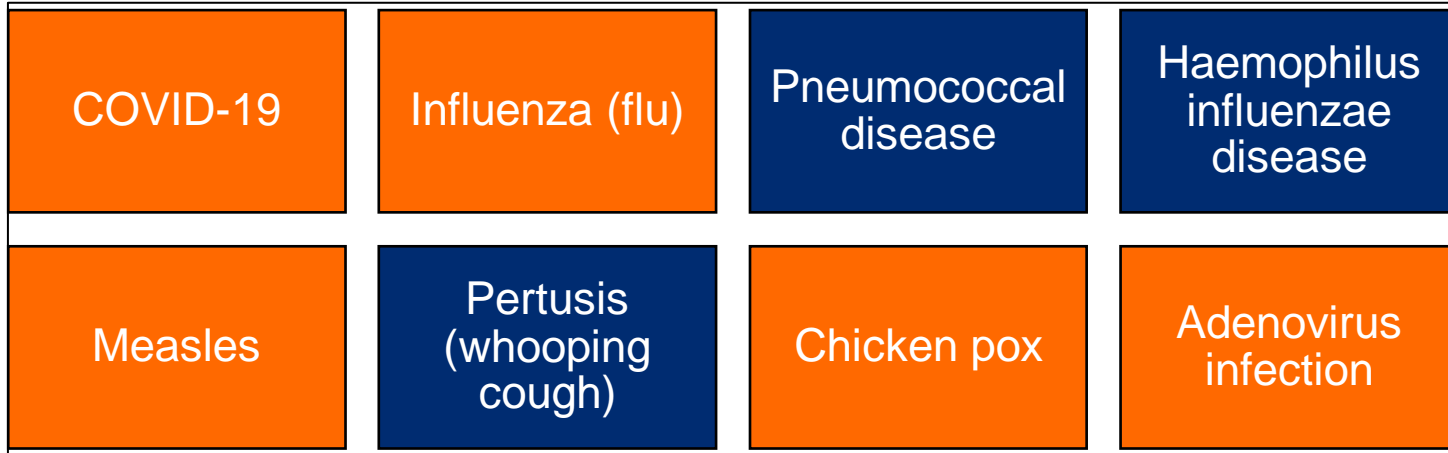


90%

treatment coverage for children with diarrhea, including treatment with ORS and zinc supplements

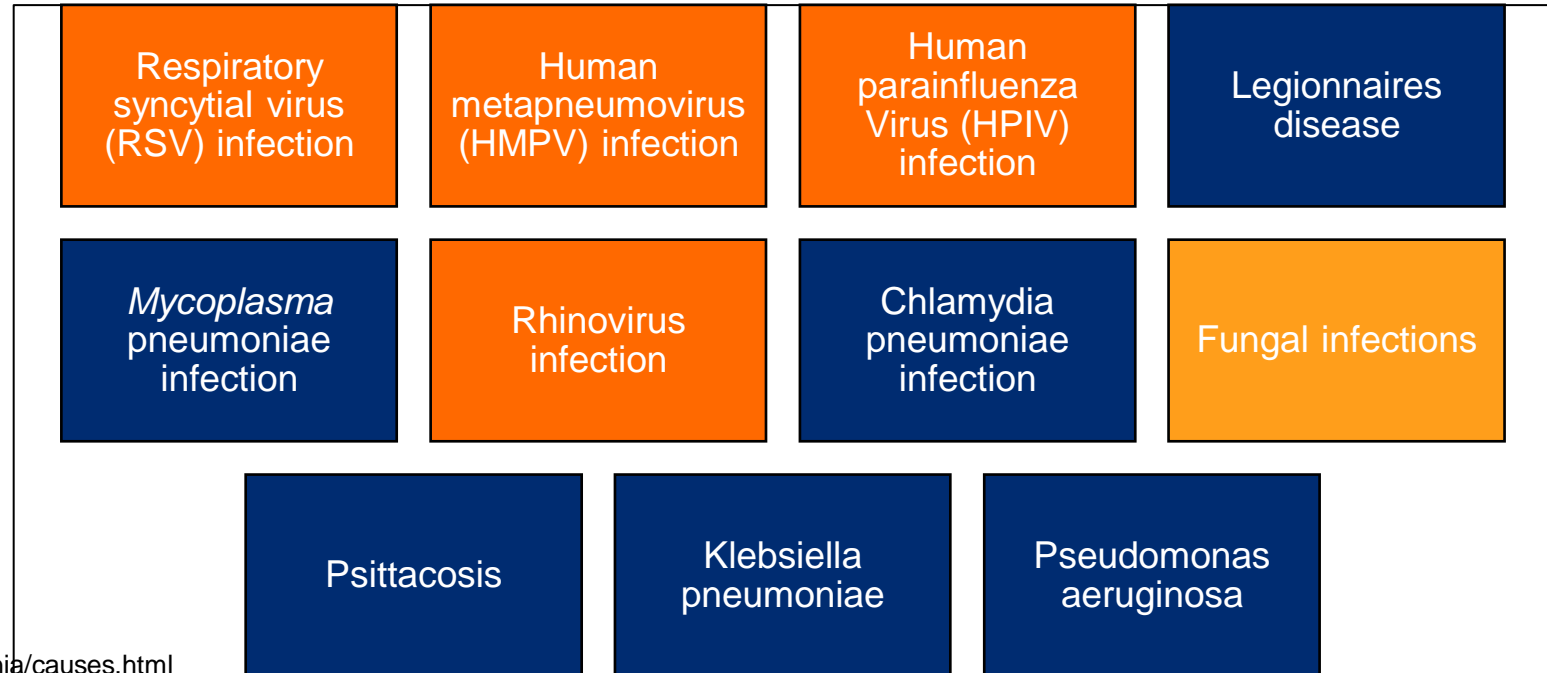


Common and less common cause of pneumonia in children and adults



Have approved vaccines

No approved vaccines



Key

Orange	Viruses
Dark Blue	Bacteria
Light Orange	Fungi



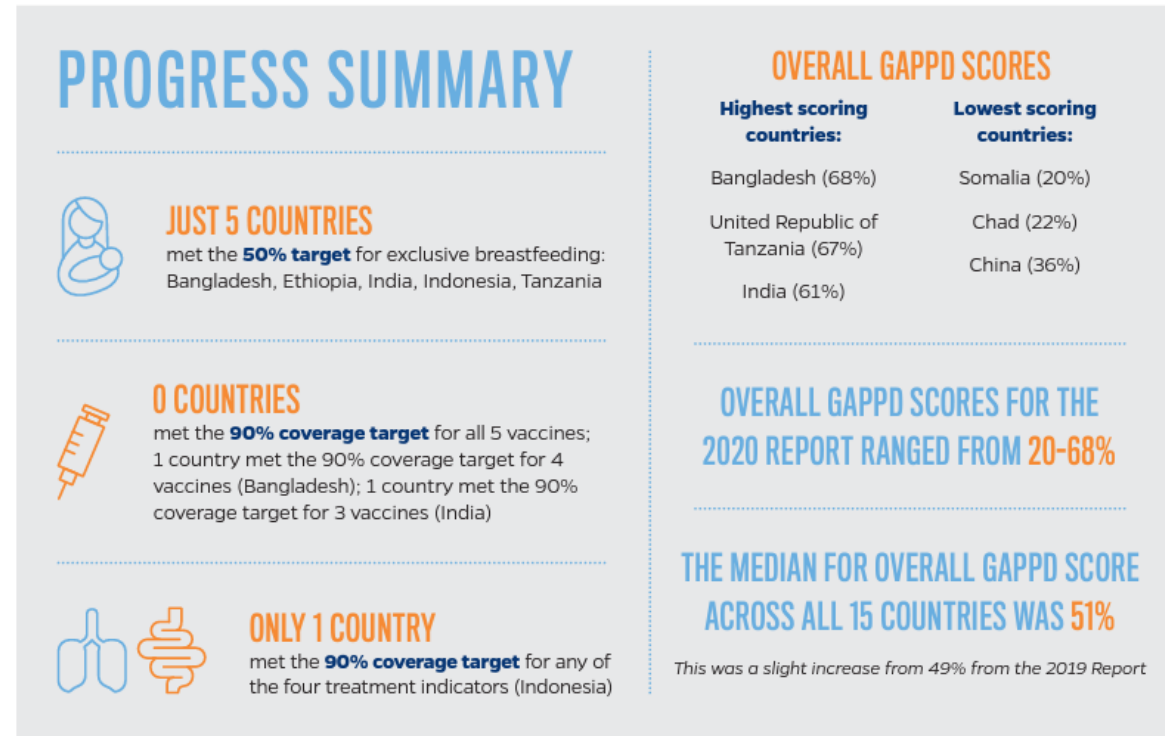
We spotlight the value and impact of pneumococcal conjugate vaccine (PCV) with a few examples

1. Globally, PCV prevented ~175.2 million cases of **pneumococcal diseases** and ~ 625K **deaths**
2. In SA, PCV led to 23% to 33% reduction in **pneumonia** in children younger than 19 years. Also 18,000 **deaths** prevented between 2009 and 2016
3. In the US, the **cost averted** from using PCV translated to 112,000 USD per life year saved
4. A review of immunization programs concludes that the timing of DTP offers the **opportunity to deliver** a range of early childhood development interventions such as newborn hearing screening, sickle cell screening, treatment and surveillance, maternal education around key newborn care issues such as jaundice and tracking early signs of poor growth and nutrition.

Progress on vaccine access and uptake is lagging

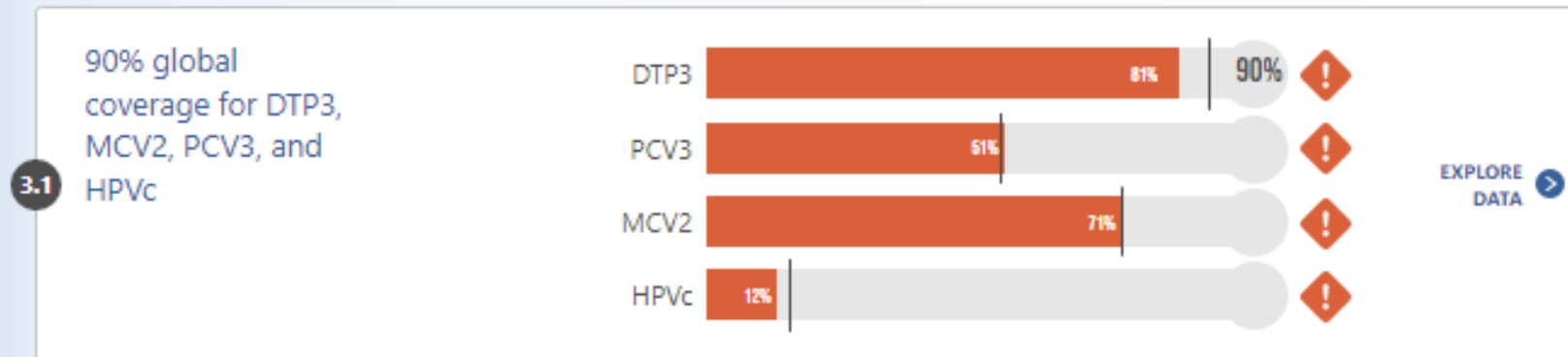
Slow rollout of the pneumococcal conjugate vaccine (PCV), which only 48% of children under five currently receive – Stop pneumonia

Backsliding of routine immunization due to COVID-19 – WHO



Source://www.jhsph.edu/ivac/wp-content/uploads/2020/11/IVAC_PDPR_2020.pdf

IG3: Build Strong Immunization Programs



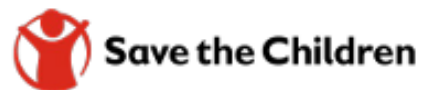
Source: <https://scorecard.immunizationagenda2030.org/>

Addressing the vaccination gap should be in the context of integrated childhood intervention

CHILD SURVIVAL ACTION PLAN

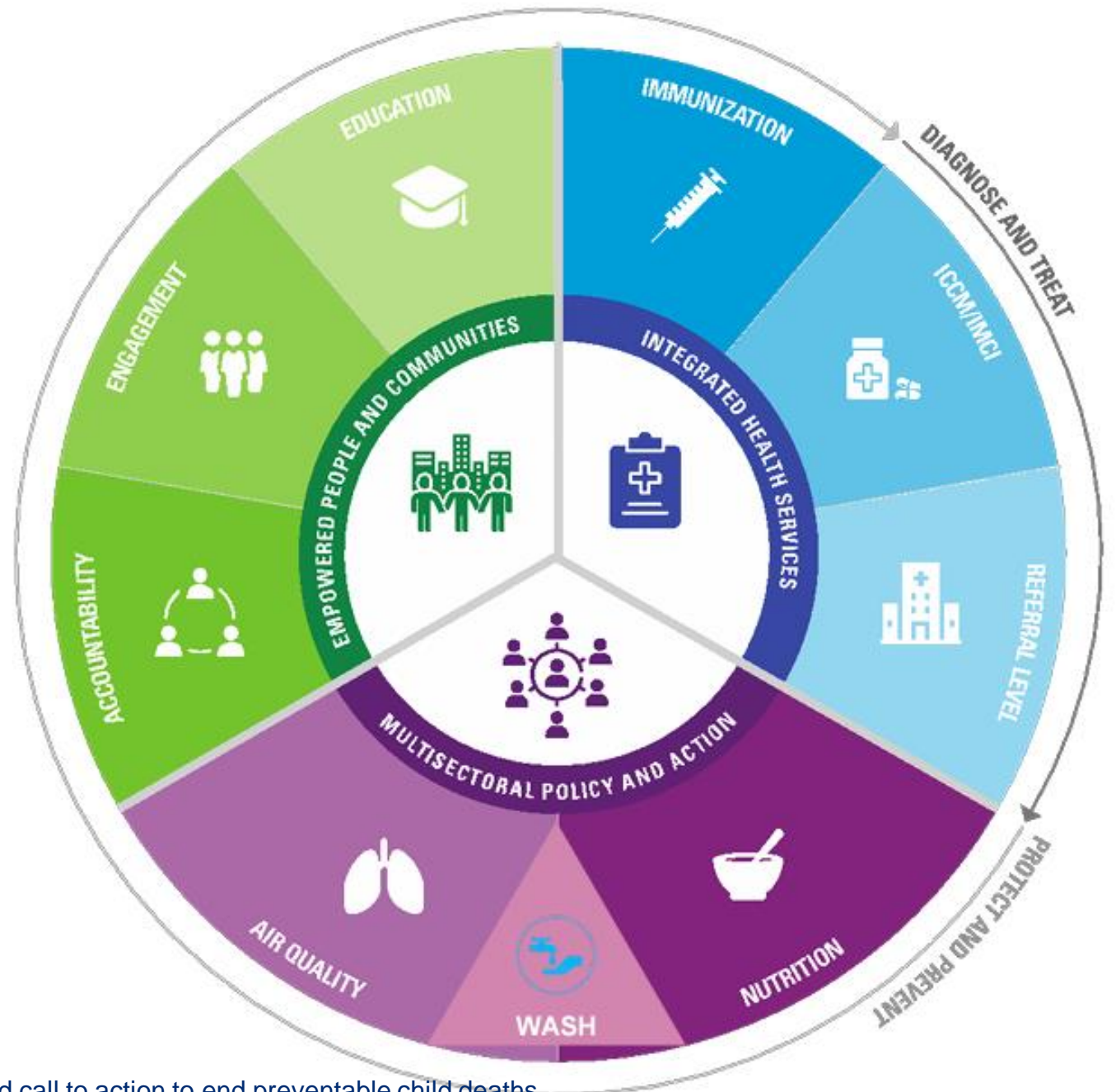
A renewed call to action to end preventable child deaths

7 June, 2022



[Slide from: A renewed call to action to end preventable child deaths](https://www.childhealthtaskforce.org)
<https://www.childhealthtaskforce.org>

PHC at the core of a comprehensive response





Implementing the call to action

**Galvanize leadership & buy in
of key partners
— global & country —**

**Country collaboration — start
engagement with a few focus
countries**

- TWGs
- In depth data analyses
- Action plans with milestones & targets

Data & Analytics

- Monitoring framework
- Accountability at all levels

Advocacy

- Targeting different audiences – with one voice
- In-line with other complementary efforts - both along the continuum (EPMM, ENAP) as well as disease specific (e.g. pneumonia)
- Global, regional, at country level

**Resource mobilization
& stakeholder
engagement**