

PNEUMO NEWS

ISSUE 01 / JULY 2021

MONSOON EDITION



In the frame:
A vaccinator is administering
PCV to an infant in Tripura.

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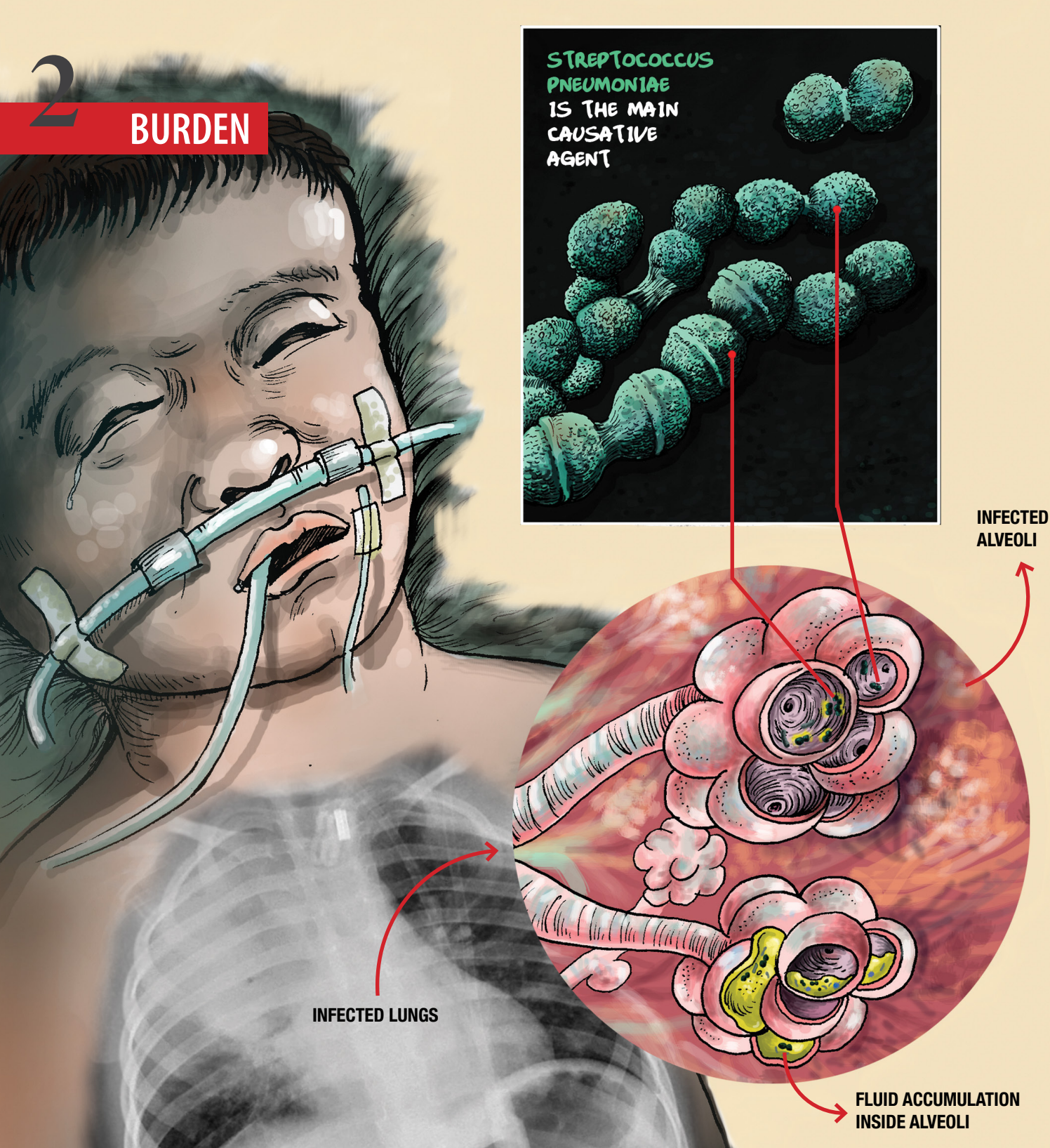
Illustrated history section

BRAIN BREAKS

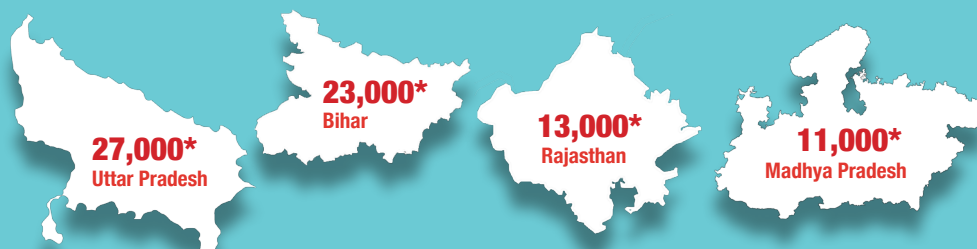
Crossword puzzle

In 2017, the Ministry of Health & Family Welfare (MoHFW), Government of India (GoI) introduced Pneumococcal Conjugate Vaccine (PCV) for protecting children from pneumococcal pneumonia and other pneumococcal diseases. Under the Universal Immunization Programme (UIP), the expansion of PCV was done in phases. The vaccine was first available in six high burden states till 2020, viz. Bihar, Haryana, Himachal Pradesh, Madhya Pradesh, Rajasthan and Uttar Pradesh. The MoHFW has decided to expand the coverage of PCV to the 31 remaining states and union territories in 2021-2022.

2 BURDEN

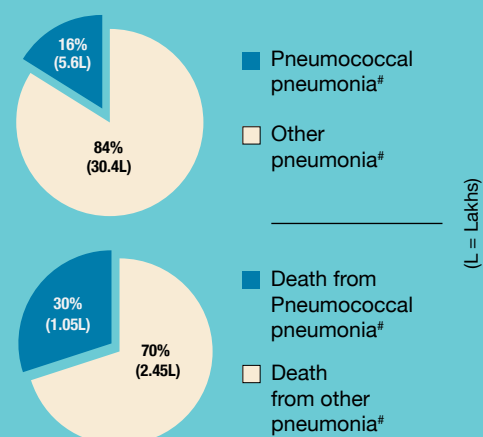


*Pneumococcal diseases are the commonest vaccine preventable cause of child mortality in India. The most affected states by Pneumococcal diseases are Uttar Pradesh (U.P.), Bihar, Rajasthan and Madhya Pradesh (M.P.), respectively.**



* Total Child Mortality suffered by individual states in the year 2015.

* Reference: Farooqui, H., Jit, M., Heymann, D. L., & Zodpey, S. (2015). Burden of Severe Pneumonia, Pneumococcal Pneumonia and Pneumonia Deaths in Indian States: Modelling Based Estimates. PloS one, 10(6), e0129191. Accessible at: <https://doi.org/10.1371/journal.pone.0129191>



CAPACITY BUILDING OF FRONT-LINERS

The preparation for the introduction of PCV in the remaining states started with **National level Training of Trainers (ToT)** conducted *on-line*. The ToT was conducted in two batches in April 2021, where around 1,000 state and district level program managers and partner representatives were trained. Due to the ongoing COVID pandemic and also the massive COVID vaccination drive, the next level of trainings were also conducted on-line. These training sessions were even conducted in late afternoon and evening hours for ensuring maximum participation. So far, about 5,000 Medical Officers, 3,400 Cold Chain Handlers, 22,500 ANMs (Vaccinators) and more than a lakh of ASHA & Anganwadi workers (mobilizers) in the 14 states are trained, where the PCV have been launched in the period from April to June 2021.



TRIPURA



ASSAM



JAMMU & KASHMIR





ARUNACHAL PRADESH



MIZORAM



NAGALAND

PROMPT TOOL

Covid-19 pandemic posed the challenge of remote functioning, which created the need for an on-line assessment tool - PCV Roll Out Monitoring and Preparedness Tool (PROMPT). It is an innovative, interactive and user-friendly on-line interface for preparedness assessment. The PROMPT tool facilitated in the easy and quick compilation, collation and analysis of the preparedness assessment status of states and UTs. This self assessment tool enabled the states/UTs to identify the gaps and take appropriate corrective measures.



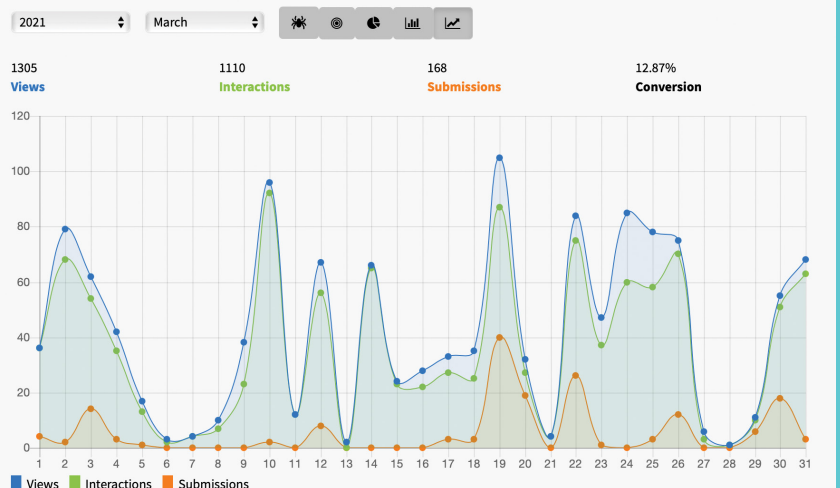
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PROMPT PCV Roll Out Monitoring and Preparedness Tool



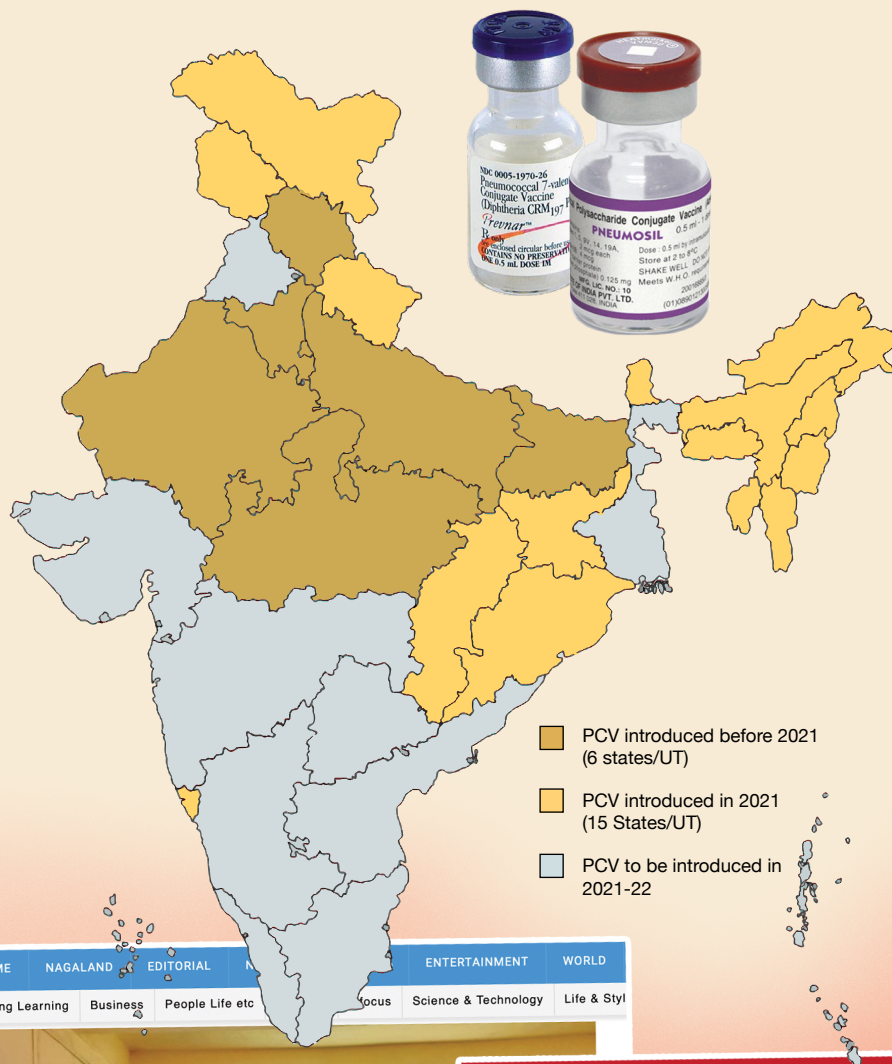
Pneumococcal Conjugate Vaccine (PCV) Milestones

Dashboard

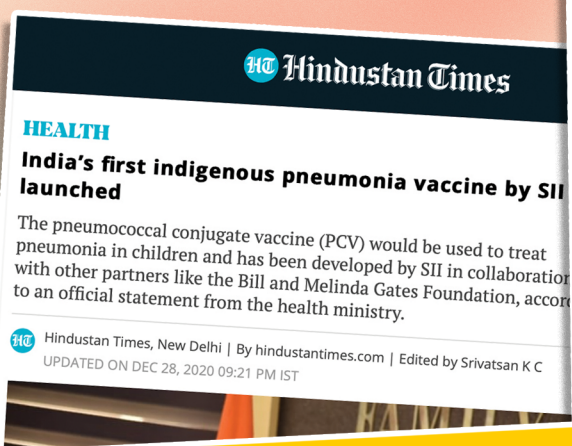


THE NATIONAL ROLL-OUT OF PCV

In 2021-22, PCV coverage will be expanded to 31 states and union territories covering the remaining 50% of the birth cohort of the country. Introduction of a new vaccine in the routine immunization programme is a challenging task and involves preparedness assessments, capacity building of the program managers and health workers, strengthening of health system including supply chain, vaccine safety surveillance, review mechanism, data management, communication, advocacy and supportive supervision. Training packages are developed and are also translated to different regional languages.

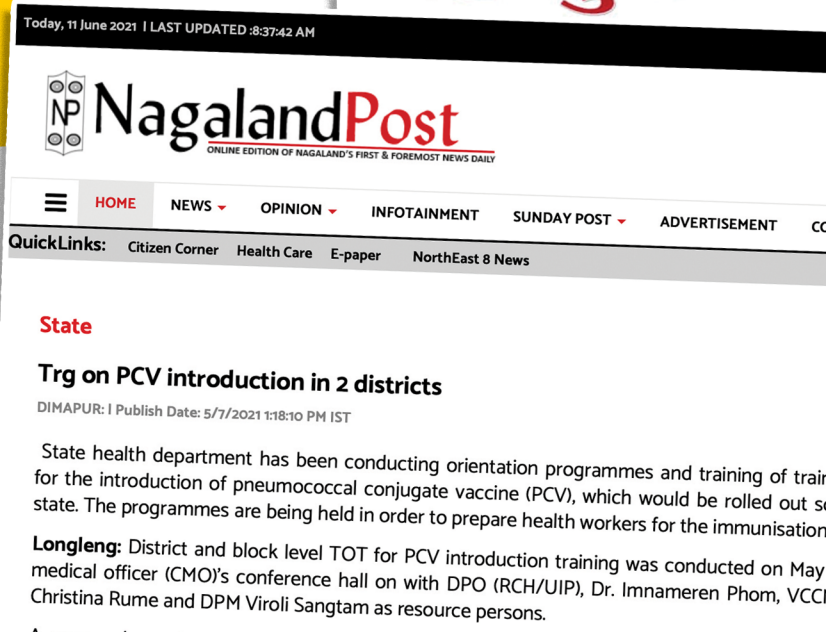


COMMUNIQUE



HEALTH DEPARTMENT KARGIL ORGANIZES TRAINING PROGRAMME ON PNEUMOCOCCAL CONJUGATE VACCINATION

KARGIL JUNE 09, 2021: Health Department Kargil organized a one-day training programme for the introduction of pneumococcal conjugate vaccine (PCV) at the Training Hall of CMO Office



THE REAL IMPORTANCE AND FORMAL ENTRY OF STREPTOCOCCI TO HISTORY CAME IN THE LATE 19TH CENTURY WHEN LOUIS PASTEUR DISCOVERED THE MICROORGANISM.



IN THE EARLY 18TH AND 19TH CENTURY PUERPERAL FEVER WAS A DEVASTATING DISEASE IN EUROPE, BEYOND ANY SCIENTIFIC EXPLANATION.



IN 1879, PASTEUR ISOLATED THE MICROORGANISM FROM THE BLOOD OF WOMEN WITH PUERPERAL FEVER AND DEMONSTRATED



... STREPTOCOCCUS

IN 1874, AUSTRIAN SURGEON THEODOR BILLROTH FIRST IDENTIFIED MICROORGANISMS IN THE WOUND INFECTIONS AND ERYSIPELAS.

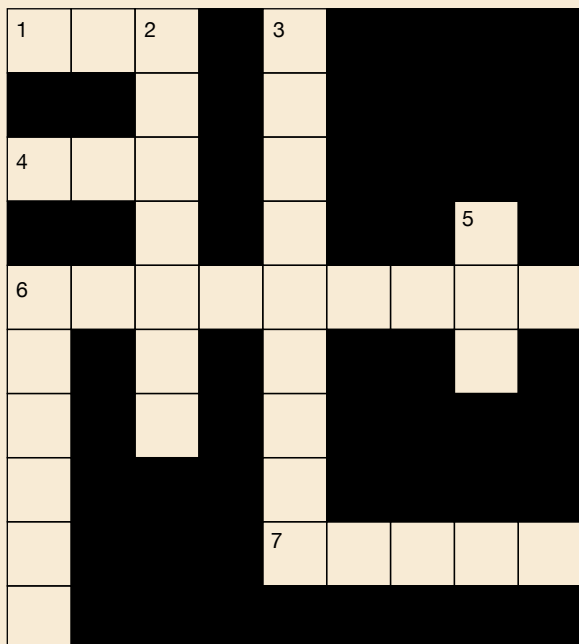


TWO DECADES LATER, PASTEUR CULTURED HUMAN SALIVA INTO RABBITS AND ISOLATED STREPTOCOCCUS PNEUMONIAE.



Reference: <https://www.ncbi.nlm.nih.gov/books/NBK333430/>

BRAIN BREAKS



ACROSS:

1. PCV launched under the ____.
4. German physician discovered micrococcus in the ____ of wounds.
6. ____ is one of the largest cause of deaths among under 5 children.
7. Pneumococcal pneumoniae primarily affects the ____ to cause pneumonia.

DOWN:

2. ____ discovered streptococcus pneumoniae.
3. First indigenous PCV.
5. Until 2020, PCV has been launched in ____ states.
6. Tool developed for state preparedness assessment.

Scan
for the
answers



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