

KiddoShield

Category: 05

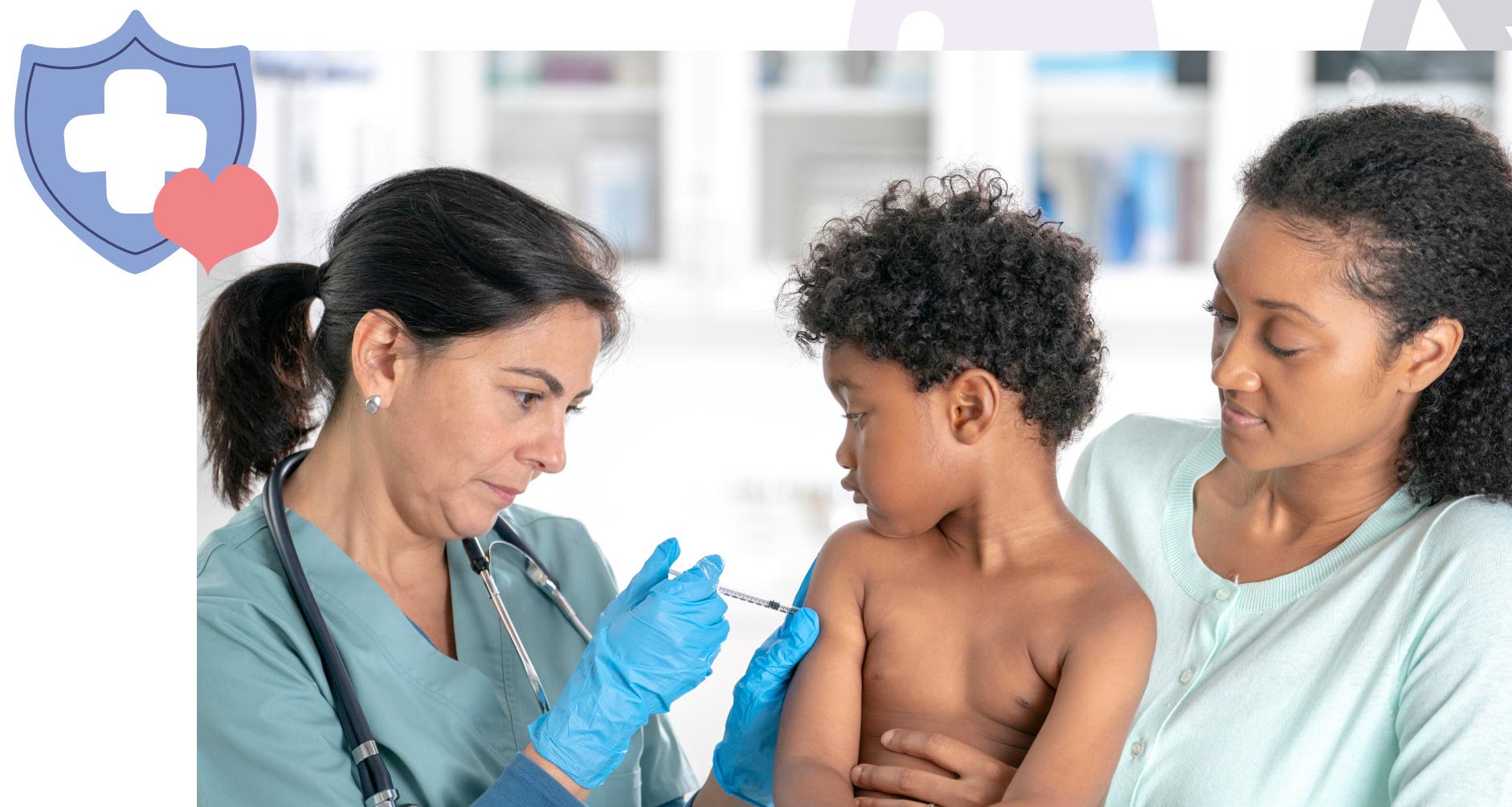
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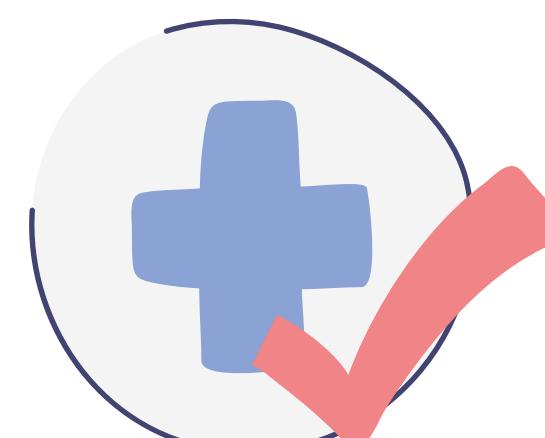
Abstract

We aim to offer an accessible platform, KiddoShield, educating parents on vital vaccines and enabling effortless booking for their children. Our solution empowers parents for a healthier future, emphasizing registration, appointment booking, scheduling, and dedicated child vaccination support. Additional features encompass location services, reminders, and informative blogs on child vaccination.

Our goal is to widely engage the population, particularly in rural areas, through our website. Leveraging the increasing smartphone adoption in rural regions, we aim to enhance accessibility, streamline appointment processes, and reduce wait times, ultimately boosting vaccination coverage for improved social well-being.



Objective

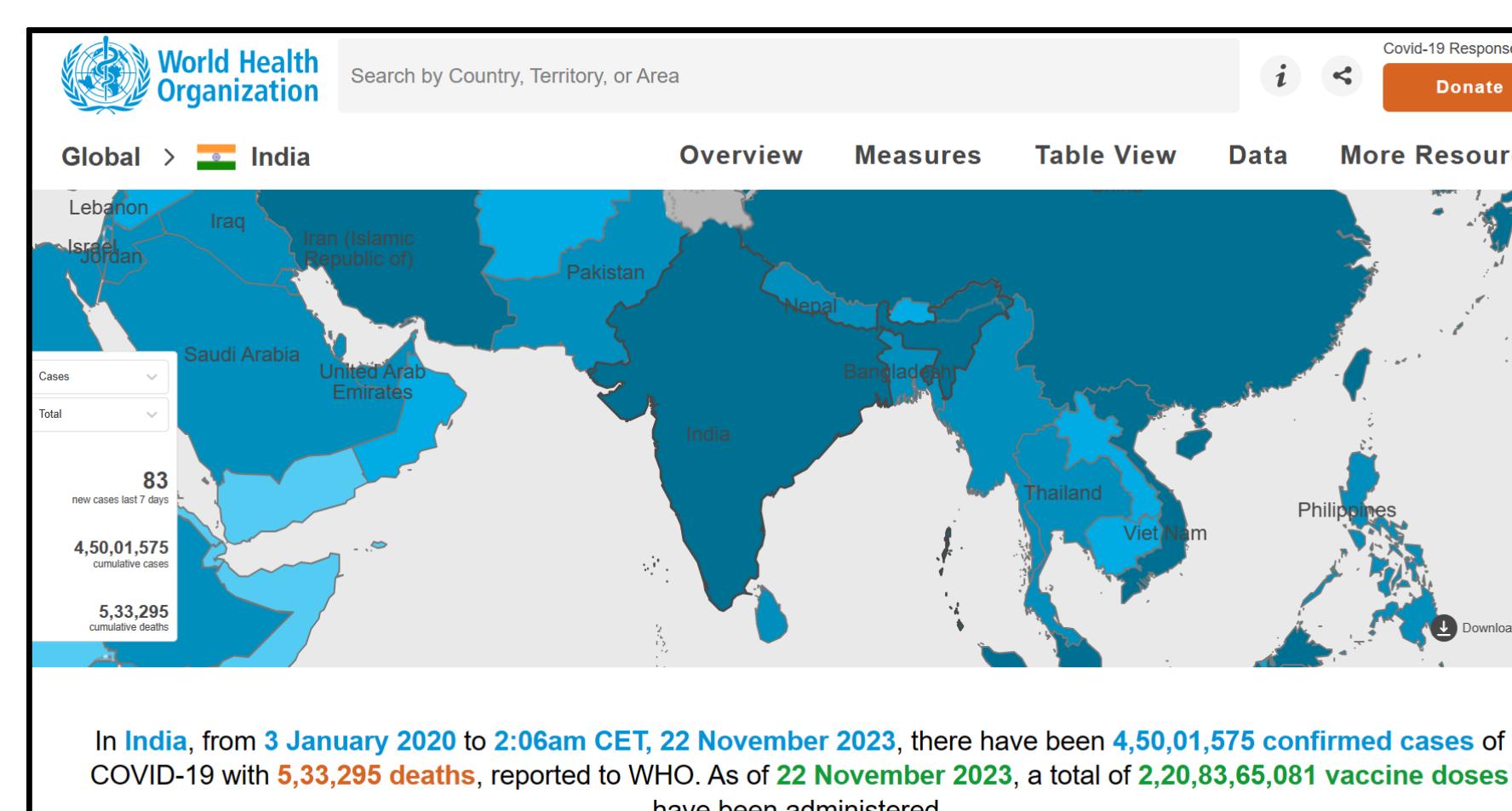


To provide a user-friendly system that not only educates parents about necessary vaccines but also facilitates seamless booking for their children.

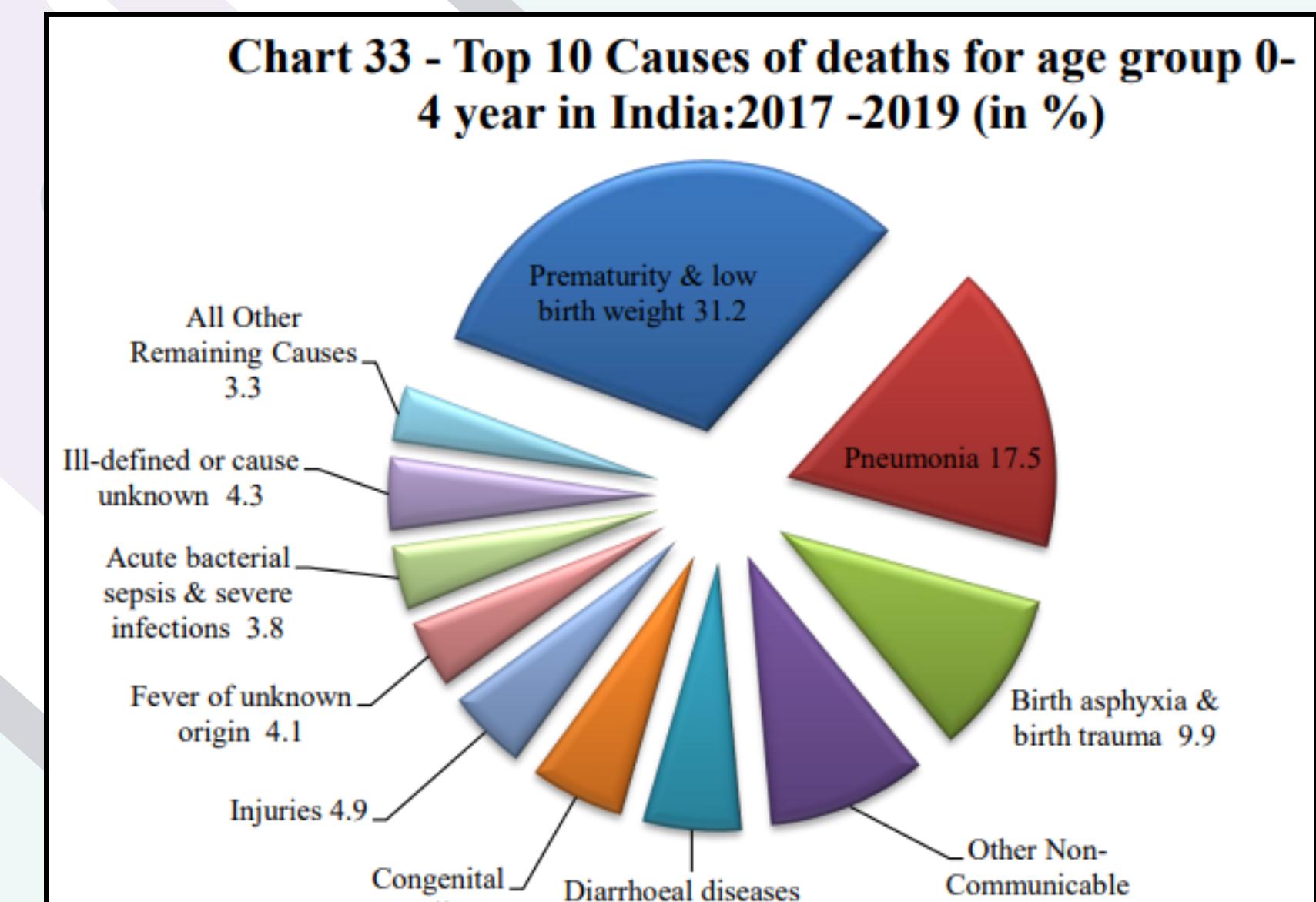
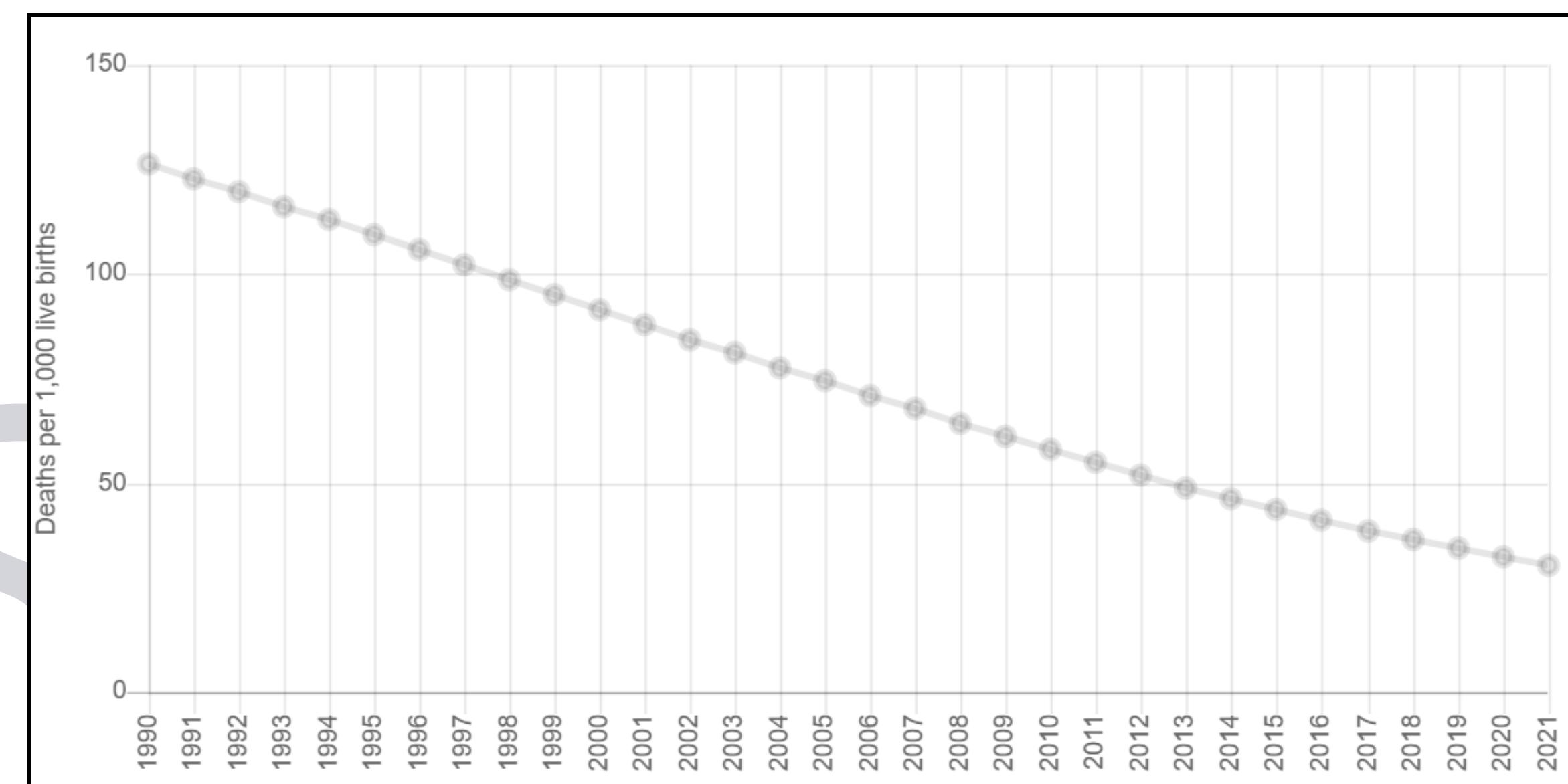
1. Raising immunization awareness
2. Compiling a comprehensive list of required vaccines
3. Facilitating easy vaccination slot booking
4. Preventing missed Routine Immunization (RI)
5. Reducing infant mortality
6. Providing information about nearby hospitals

Literature Survey

5,33,295 deaths due to COVID-19 have been reported to WHO.



7,09,366 deaths were seen among the children under the age of 5 in 2021.



CoWIN

Functions: Registration, appointment scheduling, identity verification, vaccination and certification.

Specifically curated to vaccinate the population against COVID-19.



KiddoShield

Functions: Registration, appointment booking and scheduling, reminders and location systems.

It will specifically take care of child vaccination.
It will also develop awareness regarding vaccination.

Rural population (% of total population) in India was reported at 64.13 % in 2022, according to the World Bank collection of development indicators.

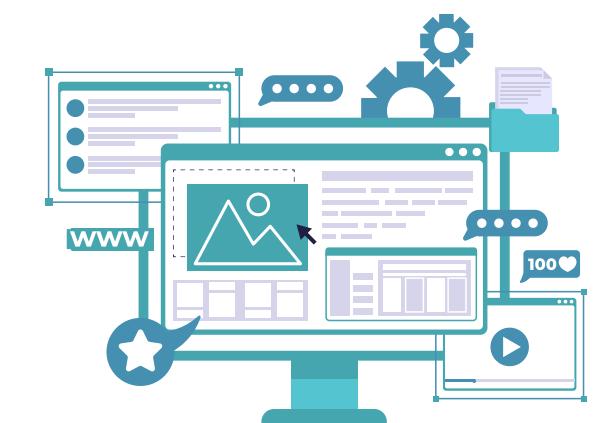
In 2018, around 36 per cent of households had a smartphone, which increased to 74.8 per cent in 2022.

Thus, vaccination coverage can be increased.

Methodology

Research was carried through-

1. Literature Survey
2. Feedback System
3. Secondary Data



Mixed method - Quantitative as well as qualitative data was collected.

Quantitative (Existing data) -

Data collected from WHO, UNICEF, Cause Of Death Statistics
Pneumonia and diarrhoeal disorders were among the top reasons for infant mortality.

PCV vaccine added in the vaccination schedule for children.

Qualitative (Existing Data) -

Death rate higher due to unawareness among the people about the vaccinations, lower income, narrow mindedness.

Economic Efficiency

1) Google maps -

Nearby Search	\$32 per 1000 requests (₹ 2,664.32)
Geolocation	\$5 per 1000 requests (₹ 416.30)
Place Details	\$17 per 1000 requests (₹ 1,415.42)
Text Search	\$32 per 1000 requests (₹ 2,664.32)

(Total: ₹ 7,160.36 per 1000 requests of every product)

2) Messaging API -

About \$0.04 per message (₹ 3.33)



Social Relevance

- Reduced waiting time.
- Easy booking, scheduling and monitoring.
- Increase in vaccination coverage and awareness.
- Boosts social well-being.
- Prevention of outbreaks and epidemics.



Conclusion

Improved vaccination embodies preventive healthcare values, fostering health and collective immunity. The project supports societal goals, reducing infant mortality, and promoting family stability, contributing to overall community well-being through public health commitment.