

# Electronic Vaccine Intelligence Network (eVIN)

The Electronic Vaccine Intelligence Network (eVIN) is an indigenously developed system that digitizes records of vaccine stocks and monitors its temperature through a smartphone application

eVIN will support the government's Universal Immunization Programme by providing real-time information on vaccine stocks and storage across all the cold chain points in all the states it's being implemented in

The information regarding eVIN will be useful for candidates appearing for their Government Exams.

## Why is the Electronic Vaccine Intelligence Network required?

The requirements of a robust and properly functioning logistics system are the easy availability of the location of supplies and the basic idea about its quantity at hand. The lack of such information will hamper the delivery of the vaccine to areas where they are needed or them inevitably running out

To prevent such a shortfall, the eVIN aims to strengthen the delivery, procurement and planning for vaccines in India. eVIN provides a hands-on solution to address the widespread efficiency in vaccine coverage by supporting state governments in overcoming constraints of infrastructure, monitoring and management information.

The eVIN program is being implemented by the Government of India in partnership with the United Nations Development Programme (UNDP)

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## How will eVIN work?

Those who handle cold storage units will be provided with a smartphone with the eVIN application installed. An inventory of the vaccines available will be made routinely upon utilization at the end of every immunization day. This will provide data on the number of vaccines used and how much is left. The data entered will be simultaneously uploaded on a cloud server which can be viewed by the managers of the programme at district, state and national level through online dashboards.

The data included will provide real-time information on vaccine stocks and storage temperature of the vaccines. Temperature data is recorded every ten minutes through a digital sensor placed in the refrigerator. and updated at an interval of sixty minutes on the server via General Packet

Radio Service (GPRS). In case of temperature breach, the logger alarms and sends email and SMS alerts to responsible cold chain technicians and managers.

By streamlining the vaccine flow network, eVIN is a powerful contribution to strengthening health systems and ensures equity through easy and timely availability of vaccines to anyone who requires it.

Additionally, the Electronic Vaccine Intelligence Network combines the following solutions:

**Technology:** eVIN will facilitate evidence-based decision-making by making available online real-time information on vaccine stocks and storage temperature

**Governance:** The program will ensure efficient vaccine logistics management by systemizing record-keeping through standardizing stock and distribution registers; identifying gaps and improving clarity on vaccine cold chain network

**Human Resources:** The state cold chain network will be empowered by building the capacities of government cold chain handlers and deploying vaccine and cold chain managers in every district for constant support to estimate vaccine requirements.

## Questions related to Electronic Vaccine Intelligence Network

### **In which Indian states eVIN has been implemented?**

Beginning in October 2015, eVIN has been rolled out in 371 districts of Assam, Bihar, Chhattisgarh, Gujarat, Himachal Pradesh, Jharkhand, Madhya Pradesh, Manipur, Nagaland, Odisha, Rajasthan and Uttar Pradesh.

### **How many cold storage units for vaccines are present in India?**

The eVIN programme is being implemented across 27,000 cold storage units across India.

### **How will the eVIN programme help in fighting the COVID-19 pandemic?**

The eVIN programme will help in making a COVID vaccine easily available in the event of its creation. It will also boost India's health programme by making any and all vaccines easily available to vulnerable groups such as children, older people etc.

