



Animal Pandemic Preparedness Initiative and Animal Health System Support for One Health

For Prelims: One Health Approach, WHO, World Bank, Zoonotic Diseases.

For Mains: Animal Pandemic Preparedness Initiative, Animal Health System Support for One Health, One Health.

Why in News?

Recently, the Ministry of Fisheries, Animal Husbandry & Dairying has launched an **Animal Pandemic Preparedness Initiative (APPI)** under [One Health Approach](#) to address the threat of **diseases that can be transmitted from animals** to humans.

- One Health approach recognizes the **interconnectedness of human, animal, and environmental health**.
- The Ministry has also launched **Animal Health System Support for One Health (AHSSOH)** project, funded by the [World Bank](#).

What is the Animal Pandemic Preparedness Initiative (APPI)?

- **About:**
 - The initiative is in line with the [World Health Organization's \(WHO\) Global One Health strategy](#), which emphasizes the importance of multisectoral collaboration in addressing the threat of [zoonotic diseases](#).
 - It will help to improve veterinary services and infrastructure, disease surveillance capabilities, early detection and response, build the capacity of animal health professionals, and awareness among farmers through community outreach.
- **Pillars of APPI:**
 - Disease Surveillance and Monitoring.
 - Disease Model Algorithms and Early Warning System.
 - Outbreak Investigation and Response.
 - Ecosystem Coordination.
 - Vaccine Development and Research and Development.
 - Building Disaster Resilience.
 - Funding.
 - Regulatory Framework.
- **Aim:**
 - The initiative aims to enhance India's preparedness and response capabilities to prevent and control zoonotic diseases, **thereby safeguarding the health of both animals and humans**.

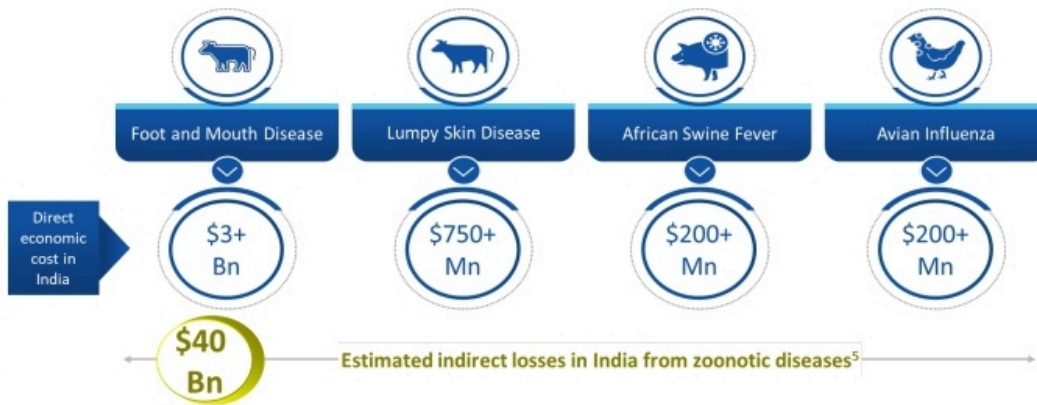
What is Animal Health System Support for One Health (AHSSOH)?

- It aims to **create an ecosystem for a better animal health management system** using the One Health approach.
- The project will be implemented **over a five-year period as [Central sector scheme](#)**.
- It has set a goal to cover 151 districts in five participating states, focusing on upgrading 75 district/regional laboratories, as well as strengthening 300 veterinary hospitals/dispensaries.

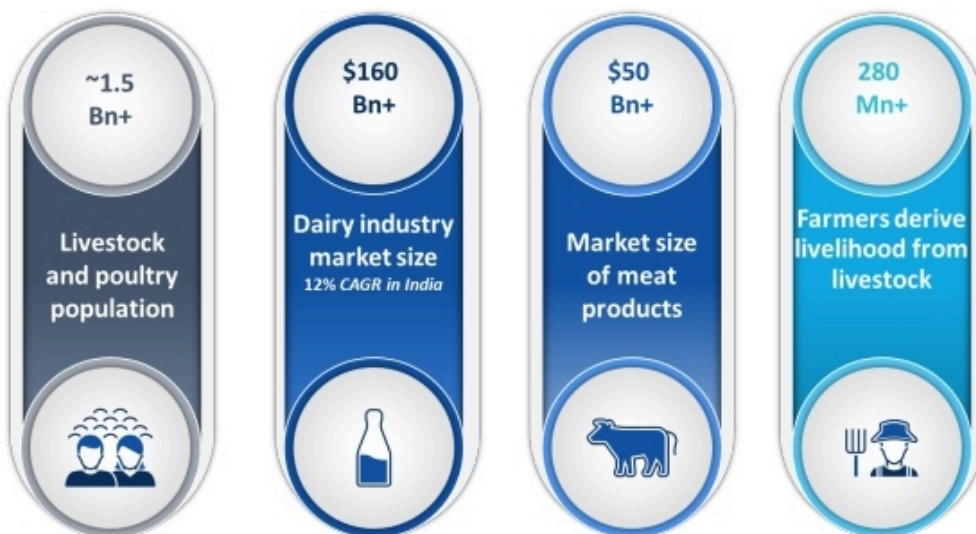
What is the Scenario of Livestock Diseases Burden and Livestock Sector?

GOVERNMENT OF INDIA

Livestock Disease Burden



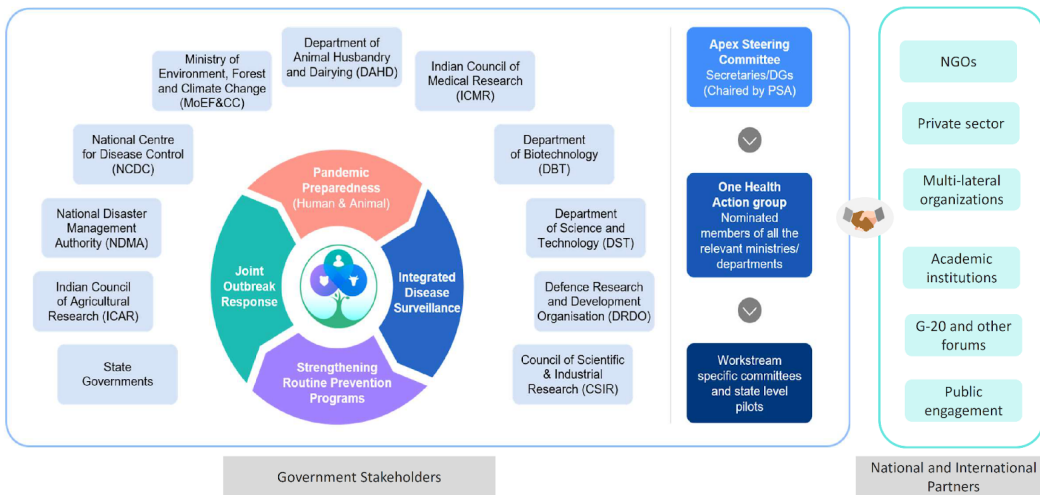
Indian Livestock Sector



What is the National One Health Mission (NOHM)?

- **One Health:**
 - One Health brings together **different sectors to solve health, productivity, and conservation challenges**, which is important for India with its **diverse wildlife, large livestock population**, and high human density.
 - Recent disease outbreaks, like [Covid-19](#), [Lumpy Skin Disease](#), and [Avian Influenza](#), show that addressing disease from just a human perspective isn't enough. We need to consider livestock and wildlife too.
- **About:**

- The NOHM is a cross-ministerial effort approved by the **Prime Minister's Science, Technology, and Innovation Advisory Council (PM-STIAC)** in its 21st meeting.
- The NOHM will be implemented by the Ministry of Health and Family Welfare in collaboration with other ministries.



▪ Objective:

- The NOHM will focus on addressing the interdependence of human, animal, and environmental health to **promote holistic and integrated approaches to disease control and prevention**.
- It aims to promote a coordinated and integrated approach to disease control and prevention in India, addressing the interdependence of human, animal, and environmental health.

▪ Components:

- Strengthening surveillance and **Early Warning Systems** for zoonotic diseases and antimicrobial resistance
- Promoting **research and development** in One Health areas
- Improving **capacity building for health professionals**, veterinarians, and researchers
- Enhancing **public awareness and community engagement** on One Health issues
- Developing guidelines and policies for One Health interventions and strategies
- Establishing a **One Health data repository** and information system
- Facilitating **national and international collaborations** and partnerships to address One Health challenges.

Source: PIB

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