



# Seasonal & Pandemic Influenza Ecosystem

Federal Government Agency Roles to Prevent, Detect, Treat

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## PREVENT OUTBREAKS

PREVENTION

**CDC:** Section 317 purchase vaccines at state & local level  
**CMS:** Vaccines for low-income children

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## IDENTIFY THREATS

EARLY WARNING

**CDC:** Disease surveillance, genomic sequencing  
**CDC:** Center for Epidemic Forecasting and Outbreak Analytics  
**NIH:** Basic research on influenza viruses

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## DETECT INFECTIONS

DETECTION / DIAGNOSIS

**CDC:** Support for state & local health departments  
**ASPR/BARDA:** Advanced development of diagnostics  
**FDA:** Regulatory review/approval of diagnostics

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## DEVELOP VACCINES, TREATMENTS

PROTECTION

**NIH:** Basic research; universal flu vaccine  
**CDC & FDA:** Select influenza strains for vaccine composition  
**ASPR/BARDA:** Advanced development; National Influenza Vaccine Modernization Strategy  
**FDA:** Regulatory review/approval

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## LIMIT SPREAD: SAVE LIVES

RESPONSE / RECOVERY

**CDC:** Guidance to health care providers and public  
**ASPR:** Support regional healthcare preparedness & response  
**ASPR:** Deploy strategic national stockpile  
**ASPR:** Pandemic flu response coordination