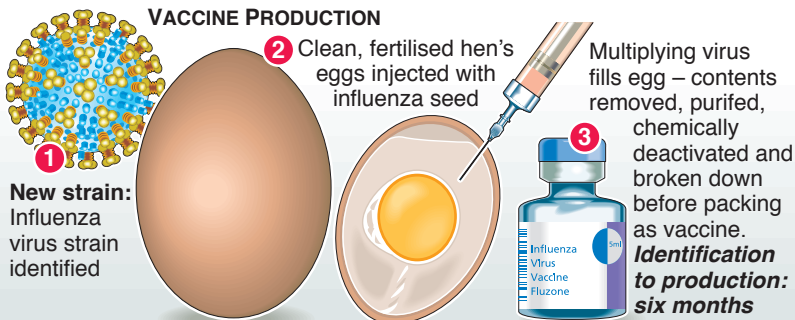


Why flu vaccine production takes so long

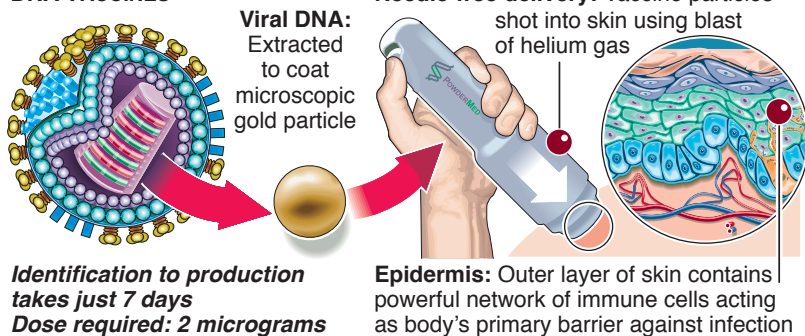
It takes more than six months to produce licensed influenza vaccines using traditional production processes – a timeframe hardly changed in over five decades. Now as governments scramble to stockpile drugs, scientists are toiling to find ways to make flu vaccines without using eggs

VACCINE PRODUCTION



Chicken and egg dilemma: Bird flu threatens supply of hens and could reduce availability of eggs by up to 50%. **Dose of up to 90 micrograms required**

DNA VACCINES



VACCINE DISTRIBUTION 2003

Doses distributed (thousands)

Western Europe	76,523
Eastern/Central Europe	26,368
United States	84,913
Central/South America	27,565
Canada	11,100
Japan	29,253
Australia	4,357
Other Western Pacific	26,864
Eastern Mediterranean	1,540
Africa	1,230
Southeast Asia	253

Seasonal vaccination could reduce likelihood of pandemic – but areas most in need have least access to vaccines

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Source: IVS Task Force