

FLU EPI VACCINE

**522 studies from 68
countries/regions**

**If IVRs reach 40% nationally, it could also effectively prevent and
control the scale of the influenza epidemic**

If IVRs reach 70% nationally, it effectively prevent & control:

- ❖ 80% less illness
- ❖ 75% medically attended illnesses
- ❖ 47% less hospitalization

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Global influenza vaccination rates and factors associated with influenza vaccination

[Can Chen](#)^{1,#} · [Xiaoxiao Liu](#)^{1,#} · [Danying Yan](#)^{1,#} · ... · [Jie Wu](#)^{1,\$} · [Lanjuan Li](#)^{1,\$} ·





FLU VACCINATION GOAL

- ❖ The World Health Organization (WHO) has suggested that IVRs should reach **75%** among **older adults and individuals with chronic diseases**
- ❖ U.S. 2030 public health initiative aims to achieve flu vaccine coverage “**well-being free of preventable diseases**” **70%** of all eligible people each season.



FLU VACCINATION



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. Factors for vaccination uptake:

522 studies from 68 countries/regions

- **A free national** or regional vaccination policy,
- **Perception** of influenza vaccine efficacy and disease severity,
- Recommendation from **healthcare workers**, and
- Having a **history of influenza vaccination**





► [Can J Hosp Pharm. 2015 Jan-Feb;68\(1\):60–63. doi: 10.4212/cjhp.v68i1.1427](#) 

Should Influenza Immunization Be Mandatory for All Health Care Providers?

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PMCID: PMC4350503 PMID: [25762822](#)

- “First, do no harm.” This famous line is from the **Hippocratic Oath**, which all physicians swear to uphold when they enter their profession.

Unvaccinated health care professionals place themselves and their patients at risk for influenza.



FLU VACCINE BARRIERS IN HEALTH CARE WORKERS

Influenza vaccination and healthcare workers: barriers and predisposing factors. A literature review

[Assunta Guillari](#)¹, [Francesco Polito](#)¹, [Gianluca Pucciarelli](#)², [Nicola Serra](#)¹, [Gianpaolo Gargiulo](#)³, [Maria Rosaria Esposito](#)⁴, [Stefano Botti](#)^{5,✉}, [Teresa Rea](#)¹, [Silvio Simeone](#)²

Barriers to vaccination identified health care workers: 2021 published

- Fear of contracting influenza from the vaccination itself;
- Not considering themselves at risk;
- To believing believe that their immune system is capable of managing a trivial disease;
- Disease considered trivial,
- Laziness;
- False beliefs

Identified facilitators:

- Desire for self-protection,
- Protection for loved ones and community





VACCINE BARRIER & PROMOTER IN POP.

Combination of limited vaccine **knowledge** and **negative attitudes** towards healthcare services

20 studies vaccine barrier in population: 2023 published

	total	unvaccinated
Lack of trust	21%	14%
Lack of knowledge	19%	32%
Cost	15%	27%
Social barriers	14%	14%
Psychological	13%	22%
Access	10%	13%
Health condition	2%	2%

20 studies vaccine promoter in population: 2023 published

	total	vaccinated
Trust	68%	79%
Social	48%	46%
Cost	44%	41%
knowledge	44%	52%
Access	32%	26%
Psychological	20%	11%

► Vaccines (Basel). 2023 Jan 13;11(1):180. doi: [10.3390/vaccines11010180](https://doi.org/10.3390/vaccines11010180)

Understanding the Barriers and Attitudes toward Influenza Vaccine Uptake in the Adult General Population: A Rapid Review

Verna L Welch ^{1,*}, Tom Metcalf ², Richard Macey ², Kristen Markus ², Amy J Sears ², Ashley Enstone ², Jakob Langer ³, Amit Srivastava ⁴, Alejandro Cane ¹, Timothy L Wiemken ¹



RESOURCES



DO WE NEED TO APPROACH OLDER ADULTS DIFFERENTLY?

Message to take home

- **Now and future of aging**
- **Elderly characteristics**
- **Flu burden: aging**
- **Flu vaccine**





PREVENTION STRATEGIES

- **Primordial Prevention**

Risk factor reduction (through laws and national policy).

Underlying disease (physical activity; obesity, cardiovascular disease, type 2 diabetes, etc.)

- **Primary Prevention**

Prevent a disease from ever occurring. (limit risk exposure or increase the immunity by **immunizations**)

- **Secondary Prevention**

Early disease detection: Secondary prevention often occurs in the form of screenings.

- **Tertiary Prevention**

Tertiary prevention **targets symptomatic patients** and aims to **reduce the severity of the disease** as well as any associated sequelae.

- **Quaternary Prevention**

Action taken to identify patients at **risk of overmedicalization**, to protect him from new medical invasion, and to suggest to him interventions, which are ethically acceptable. "an action taken to protect individuals (persons/patients) from medical interventions that are likely to cause more harm than good."



Symbol of true love and respect



The official flower of National Grandparents' Day is the forget-me-not, which blooms in the spring, small blue flowers that grow anywhere from 4 to 12 inches.

Represents remembrance and long-associated with dementia. People with dementia may experience memory loss, among other symptoms. This makes the forget-me-not the perfect flower to represent our cause.

