

European Centre for Disease Prevention and Control

# Vaccines protecting generations: insights on measles, HPV and hepatitis B from vaccination programmes

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European Immunisation Week – digital event

Classified as ECDC NORMAL

## **New ECDC report highlighting ongoing efforts in HPV related cancer prevention**



# All countries offer HPV vaccination to both boys and girls as part of the national immunisation programme



## Vaccine Scheduler

### Human Papillomavirus Infection: Recommended vaccinations

◀ Back to search    📄 Export to spreadsheet

- ☒ General recommendation
- ☒ Recommendation for specific groups only
- ☒ Catch-up (e.g. if previous doses missed)
- ☐ Vaccination not funded by the National Health system
- ☐ Mandatory vaccination

	Years																	
	9	10	11	12	13	14	15	17	18	19	21	25	26	27	30	45	≥ 46	
Austria	HPV9 (F/M)			HPV9 (F/M) <sup>1</sup>														
Belgium				HPV9 (F/M) <sup>2</sup>		HPV9 (F/M)												
Bulgaria		HPV9 (F/M) <sup>3</sup>					HPV9 (F/M) <sup>4</sup>											
Croatia			HPV9 (F/M) <sup>5</sup>			HPV9 (F/M) <sup>6</sup>						HPV9 (F/M) <sup>6</sup>						
Cyprus	HPV9 (F/M) <sup>7</sup>					HPV9 (F/M) <sup>8</sup>				HPV9 (F/M) <sup>9</sup>								
Czechia			HPV9 (F/M)						HPV (F/M) <sup>10</sup>									
Denmark				HPV9 (F/M)														

**Year of introduction**

**Girls:**

between 2007 and 2023

**Boys:**

between 2014 and 2025

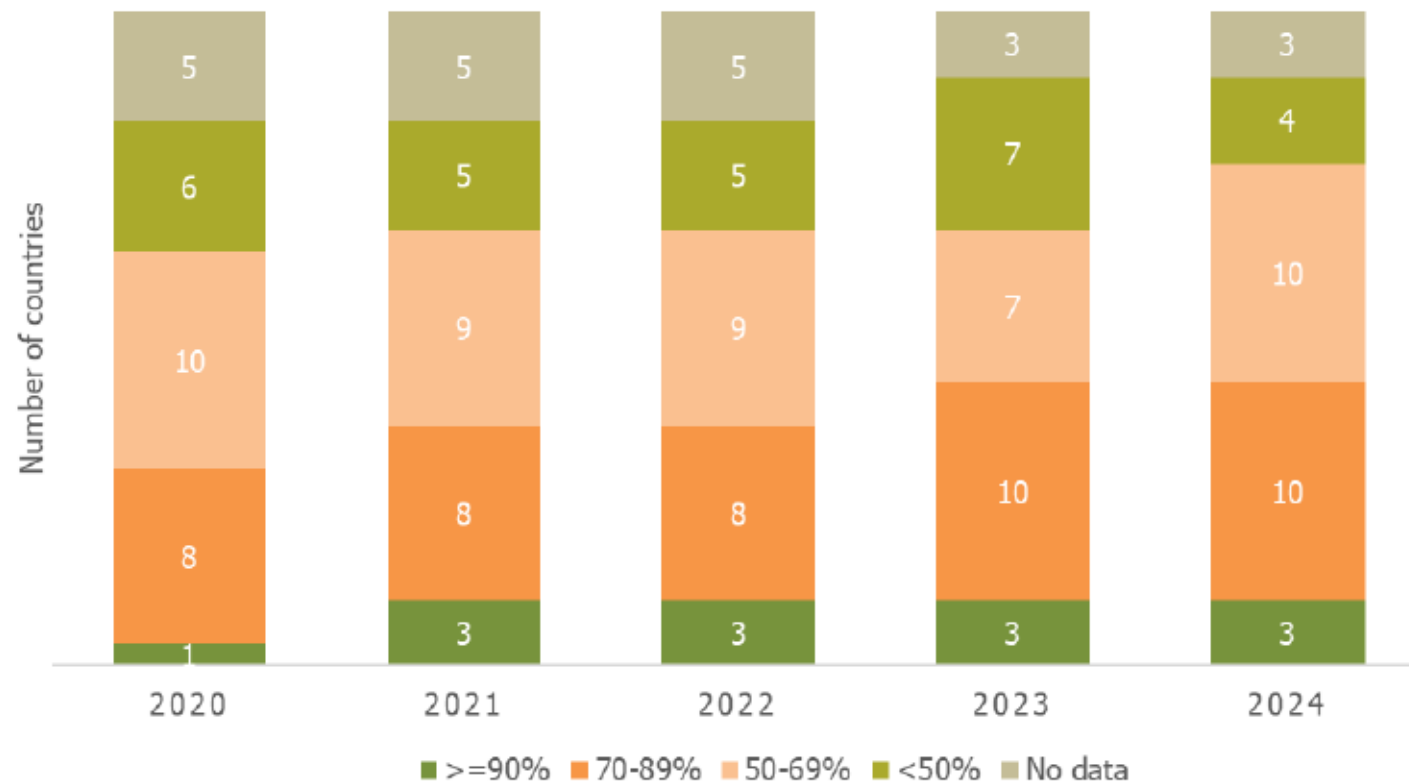
Vaccine offered between  
9 years and 13 years

### CATCH-UP programmes

29 countries in girls

26 countries in both girls  
and boys

# Three countries\* reached the 90% target for girls



Seven countries reached high coverage >90% for the first dose in 2024

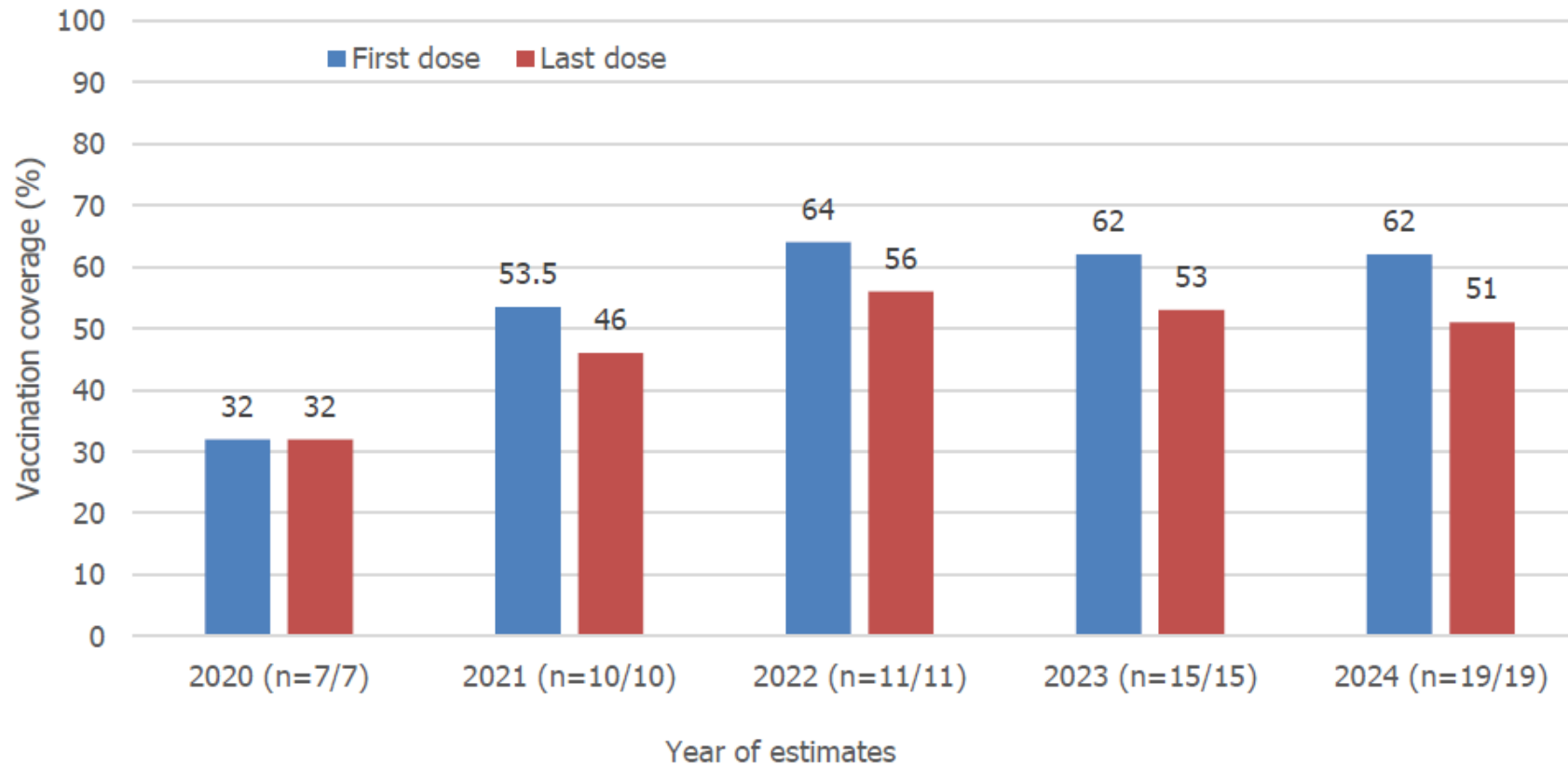
Generally, higher coverage in countries with school programmes

Vaccination coverage in catch up groups available for 1/3 countries between 16% and 89% with differences in denominators

\*one EU country, two EEA countries

Last dose. Source: WHO Immunisation data portal; "HPV vaccination coverage, girls, last dose, by age 15" ECDC report on "State of Health of HPV vaccination programmes in the EU/EEA)

# Vaccination coverage in boys by the age 15



Last dose, median. Source: WHO Immunisation data portal; "HPV vaccination coverage, males, last dose, by age 15" ECDC report on "State of Health of HPV vaccination programmes in the EU/EEA)  
Reporting countries in 2020: Austria, Belgium, Croatia, Czechia, Finland, Germany, Italy; In 2021: Denmark, France, Norway on top; in 2022: Ireland on top; in 2023: Cyprus, Hungary, Luxembourg, Slovakia on top, in 2024: Estonia, Malta, Portugal, Sweden on top

# Vaccination coverage dashboard



## Vaccination coverage dashboard



Country overview

Country comparison

Indicator comparison

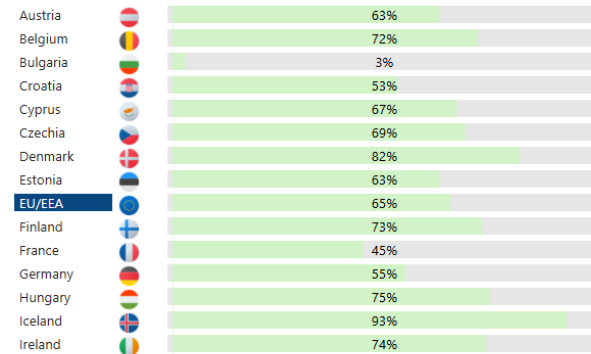
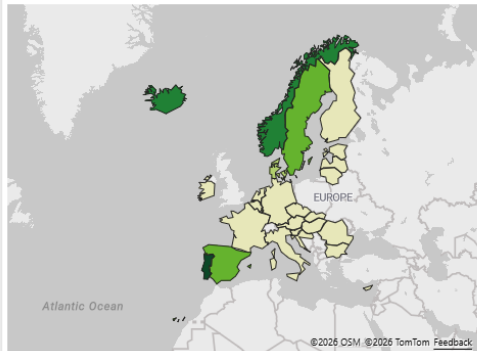
Methodology

Year of estimate 2024

### Geographical distribution of the vaccination coverage in the EU/EEA

### Vaccination coverage in the EU/EEA countries

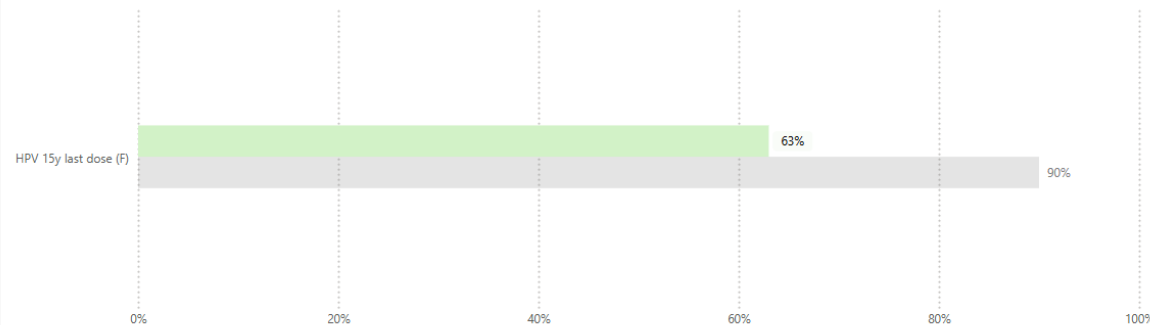
Year : 2024 / Country : All / Vaccine : All / Vaccine Name : HPV Vaccination coverage by age 15, last dose, females /



### Vaccine indicators overview

● Vaccination coverage ● Target

Year : 2024 / Country : Austria / Vaccine Name : HPV Vaccination coverage by age 15, last dose, females /

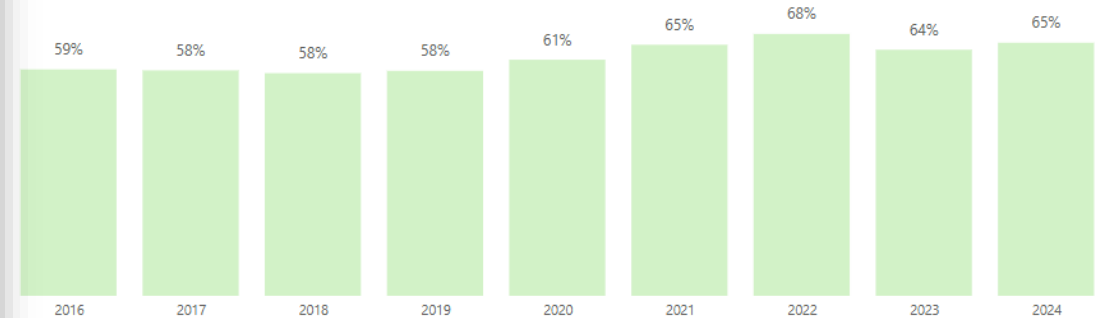


Additional information about the methodology used to collect, analyse, and display these indicators is available in the "Methodology" page in this dashboard.

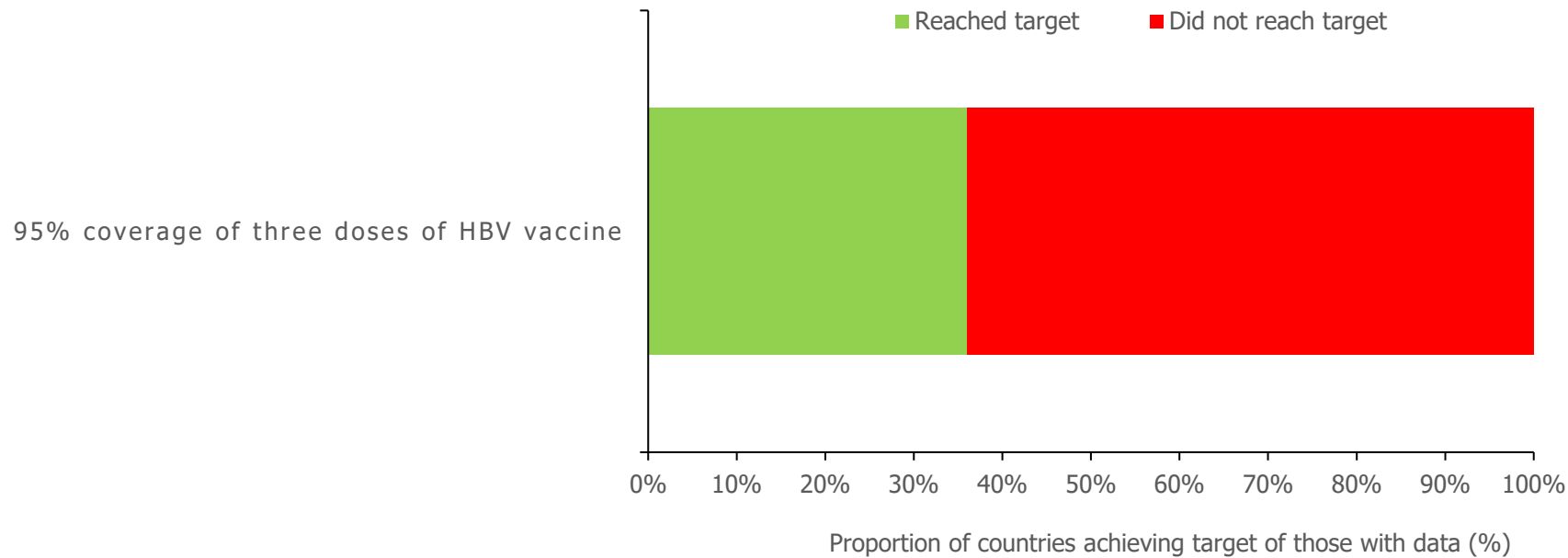
### Indicator

Human papillomavirus infection + HPV Vaccination coverage by age 15, last dose, females

Country : EU/EEA / Vaccine : All / Indicator : All / Vaccine Name : HPV Vaccination coverage by age 15, last dose, females /



# Progress towards the WHO interim elimination targets for three doses of hepatitis B vaccination across the EU/EEA countries\*, 2026



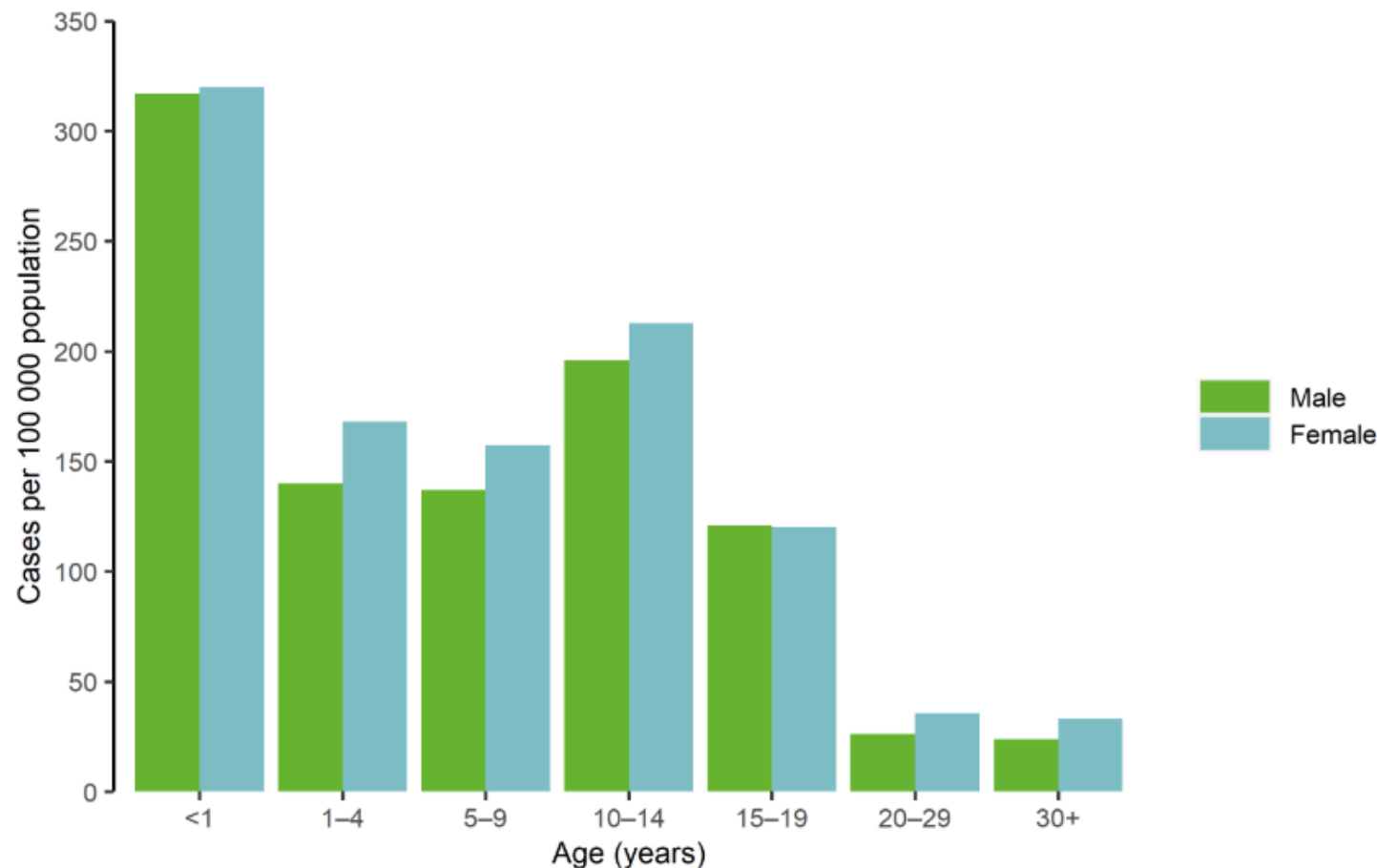
- 27 of the 30 EU/EEA countries provide universal vaccination of children against hepatitis B as part of the childhood schedule
- Coverage range from 57% to 100%
- 9 countries are meeting the WHO interim target of 95% coverage
- A decline in coverage noted in a few countries in recent years

*\*No data available for Denmark, Finland and Iceland (no universal childhood vaccination programme) and Liechtenstein (data are included within data from Switzerland). Hungary has a universal vaccination programme targeting school-aged children but WHO/UNICEF data on HB3 coverage are not available.*

*Source: WHO/UNICEF WUENIC vaccination coverage estimates (as of 06.02.2026) Available from: <https://immunizationdata.who.int/global/wiise-detail-page/hepatitis-b-vaccination-coverage>*



# Unprotected infants, the most affected by pertussis



**~210 000 cases**  
**84 deaths**

Children <1 year are the ones  
most at risk of complications

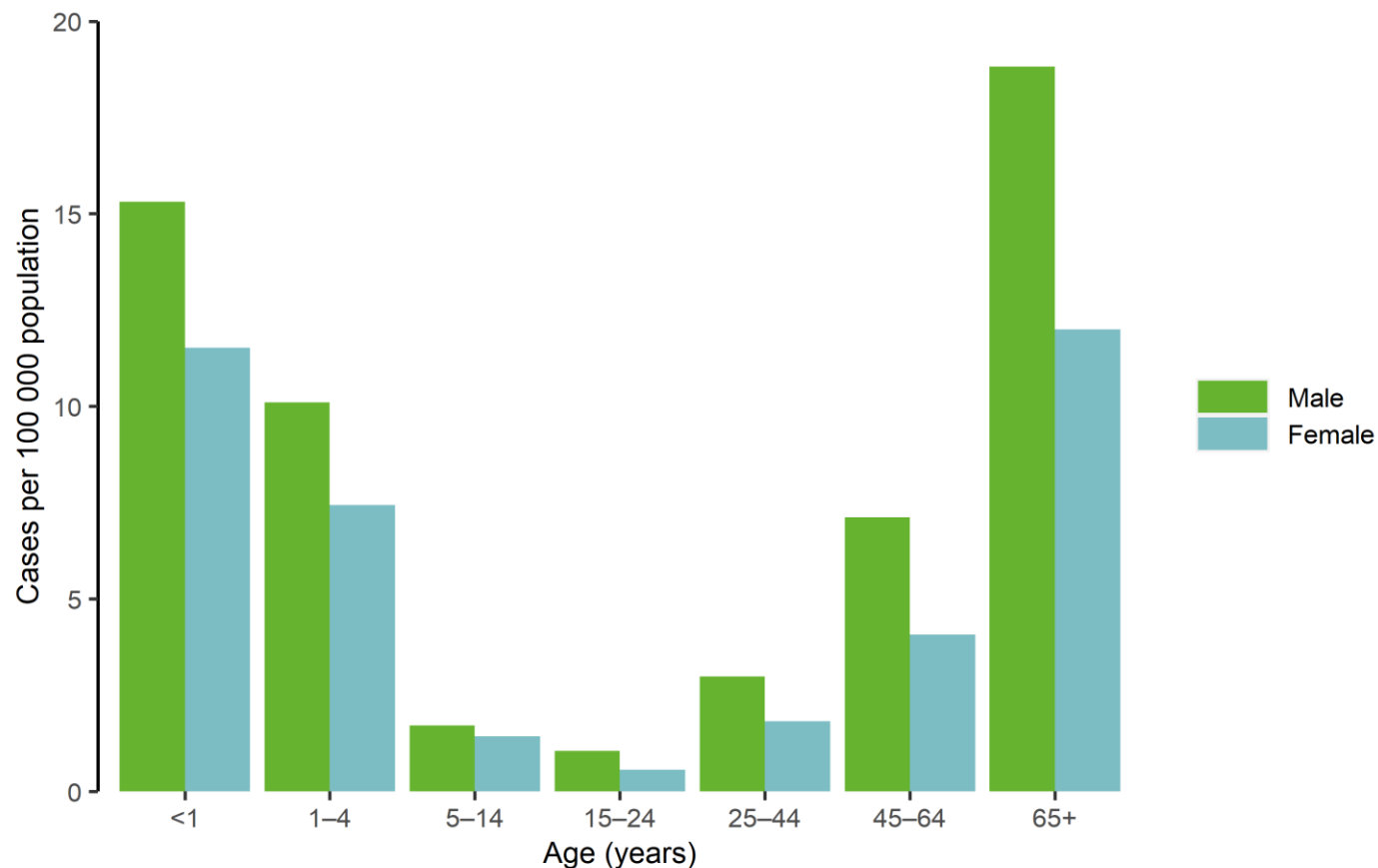
**~half of infants were not  
vaccinated**

**3 out of 4 infants** had not  
received protection through  
vaccination of the mother

**~ half of deaths observed in  
infants <1**



# Invasive pneumococcal diseases affects infants and older individuals



~25 000 cases

**Vaccination  
coverage\***

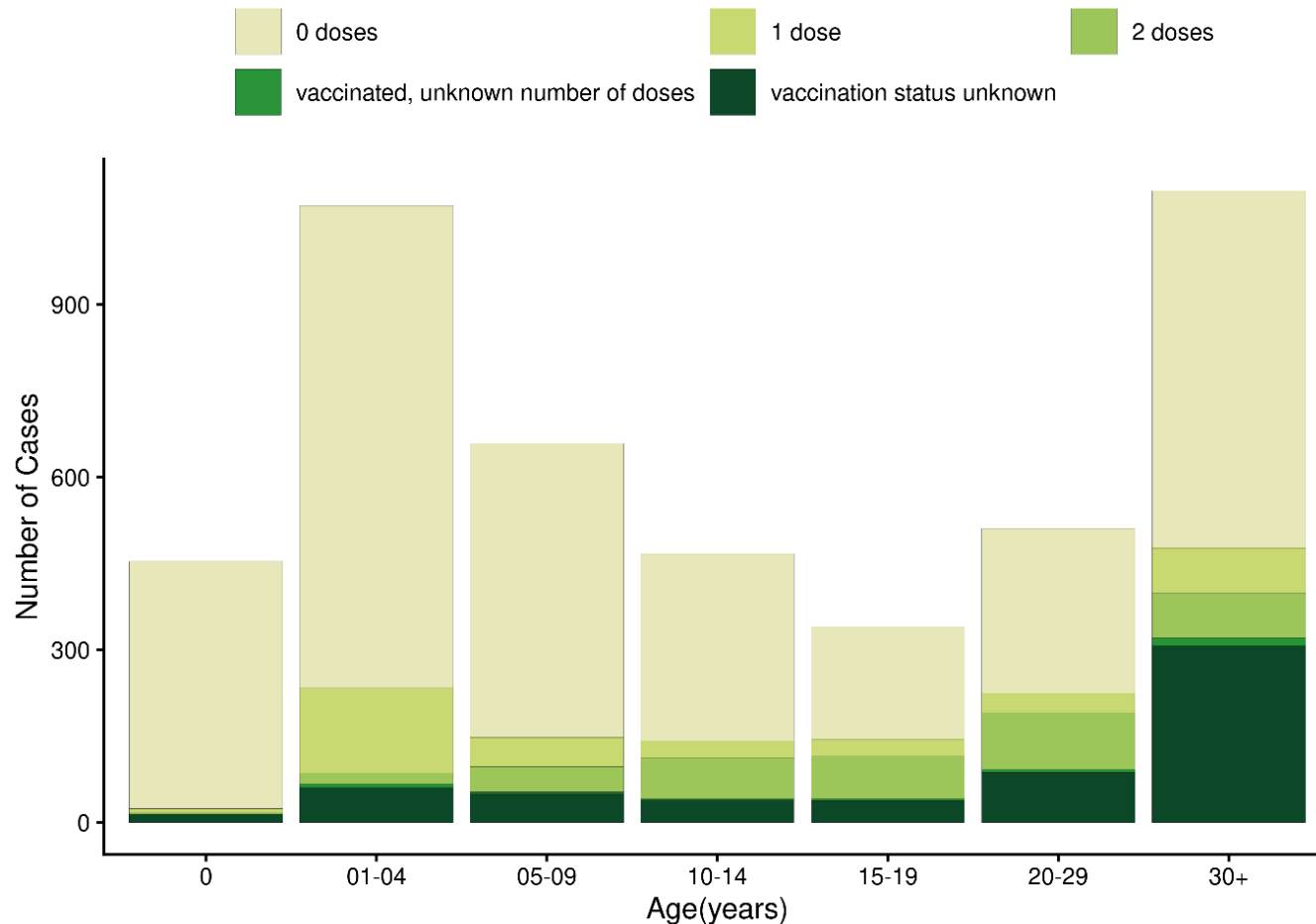
**Children** (56% to 99%)

**Adults**

Limited data available,  
with large variation (2%  
/ 74%)

\*Source vaccination coverage: children: WHO immunisation data portal, 2024 third dose of PCV vaccine; adults: ECDC survey 2024 data  
Graph: source: ECDC Annual epidemiological report 2024

# Measles affects all age-groups and most measles cases are not vaccinated



**4623 cases in past 12 months**

**1 out 3** of the cases are in children <age of 5 years

**1 out 3** cases are individuals over 14 years

Children <1 year are the ones most at risk of complications

**8/9 out of 10** cases are not vaccinated.

# Conclusion

Opportunities to protect generations for multiple infectious diseases including from infections that lead to cancer

Comprehensive evidence-based approach to support and inform vaccination programmes

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