



Immunisation programmes in Ireland

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National Immunisation Office

- The National Immunisation Office vision is:
- **The entire population of Ireland is protected from vaccine preventable diseases across the life course, through the delivery of high quality, person-centred and equitable immunisation programmes.**
- Coordinating Unit within the HSE responsible for planning and implementation of immunisation programmes
- **The NIO is responsible for:**
 - -vaccine procurement, storage and distribution;
 - - development of standards;
 - - delivery of training for HCPs;
 - - production of information resources on all national immunisations programmes;
 - - data quality and national immunisation information systems
- There are several cross -functional teams within the NIO who work together to fulfil the its roles:



HSE NATIONAL IMMUNISATION OFFICE

Roles and Responsibilities



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NIO Digital Channels

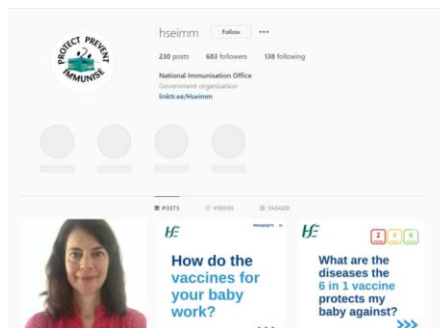


Website www.immunisation.ie

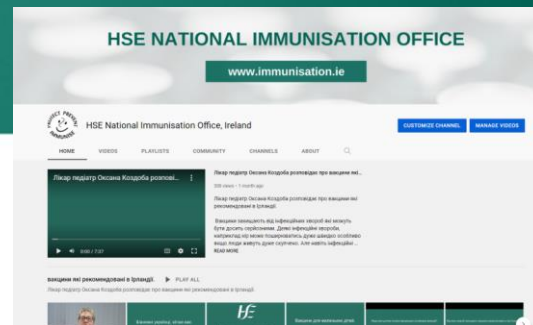
HSEland



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National Immunisation Office



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National Immunisation Office



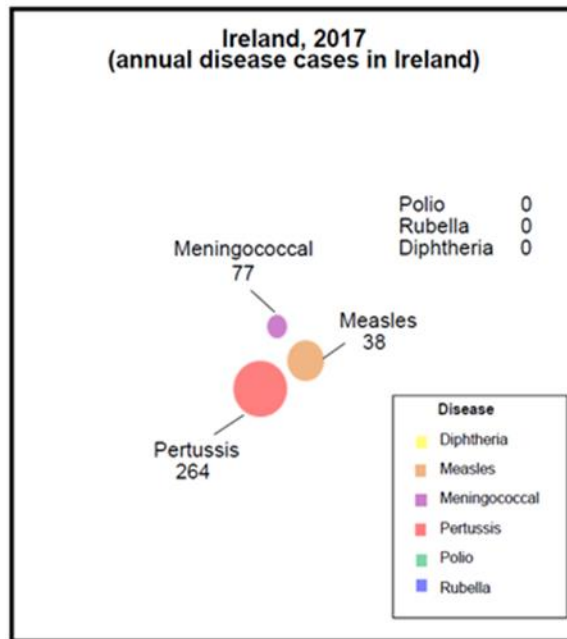
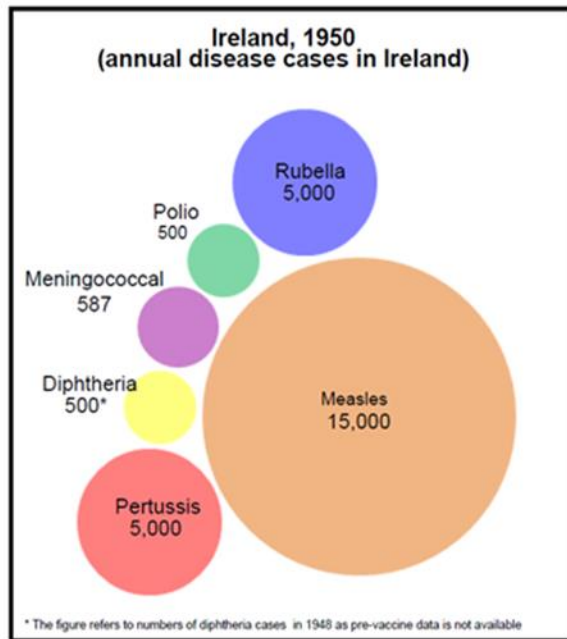
Life course vaccinations

- Babies and toddlers
- Schools age
- Adults
- Inc pregnant women- protect themselves and their babies
- Healthcare workers
- Risk group conditions
- COVID-19 vaccine- population from 6 months and above



Vaccines Work

These bubbles are sized according to the annual number of cases in Ireland during the pre-vaccine era versus 2017. It is clear that significant progress has been made. However, we must not become complacent. We need to keep vaccine uptake at 95% to stop outbreaks of these serious infectious diseases.



Reference:

www.hpsc.ie

www.hse.ie/eng/health/immunisation/hcinfo/guidelines

www.immunisation.ie

[@HSEImm](https://twitter.com/HSEImm)

[#vaccinesWork](https://twitter.com/vaccinesWork)

Developed by the HSE National Immunisation Office

COVID-19 vaccines





COVID-19 vaccinations

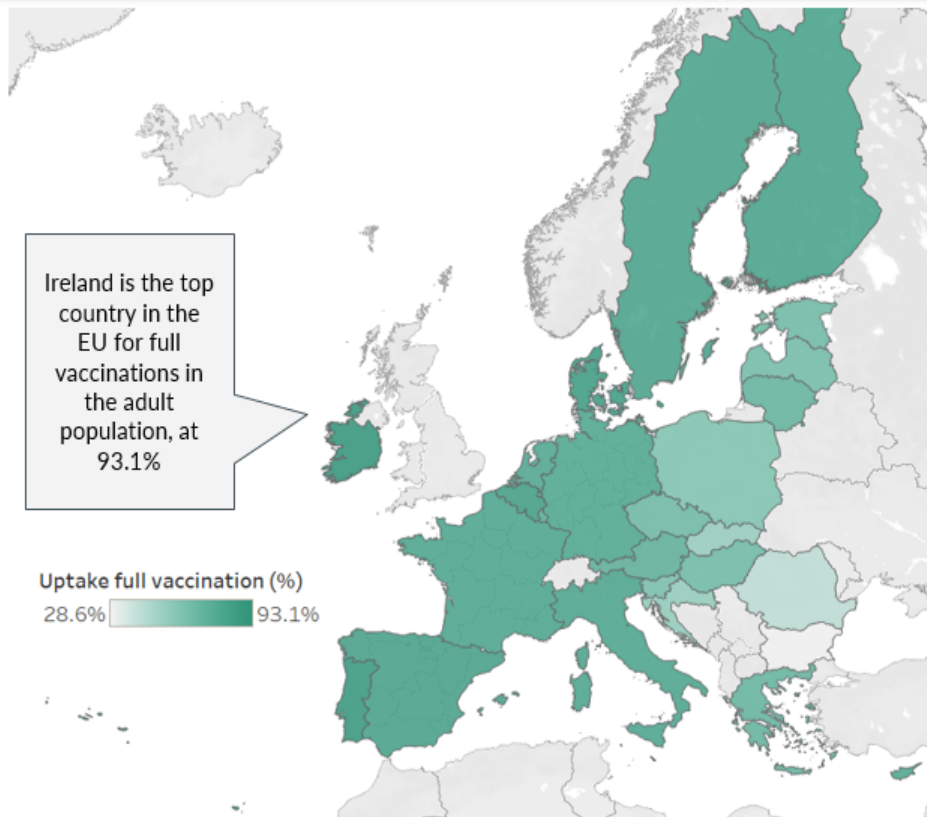
- [70.5%](#) of the world population has received at least one dose of a COVID-19 vaccine.
[13.5 billion doses](#) have been administered globally
- In Ireland rapid rollout of original programme firstly targeting those older people in long term care facilities and healthcare workers.
- Very high uptake of primary course
- New laws were passed to allow expansion of vaccinator workforce to pharmacists, dentists, dental hygienists, physiotherapists, Emergency Medical Technician and for a time student doctors, nurses and pharmacists
- They were allowed to supply and administer vaccine without a doctors assessment or prescription, but had comprehensive training, competency assessment and adhere to medicine protocol
- New COVAX ICT system enabled to record and report on vaccines given and produce vaccine certificates
- Trackvax system designed and implemented to track COVID-19 vials in vaccination centres
- In general vaccine confidence remains high, but vaccine fatigue as people learn to live with the virus. Recently launched the new autumn booster campaign

2. Vaccination Status in EU countries

Ireland 91%- 12+ population fully vaccinated, 93% 1 dose
England 87%-12+ population at least 1 dose

EU Fully Vaccinated Adult Population (18+)

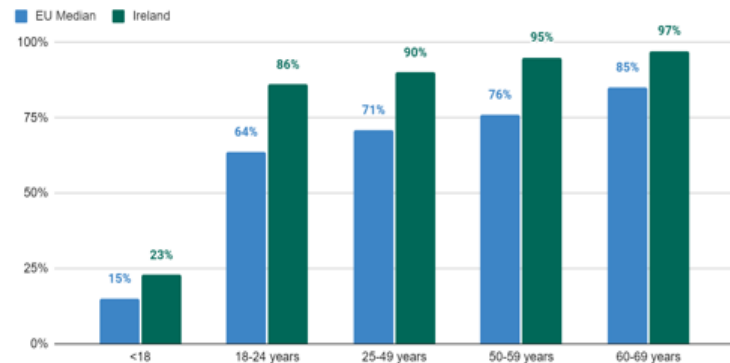
NOV 21



Top EU countries for fully vaccinated adult population (18+)

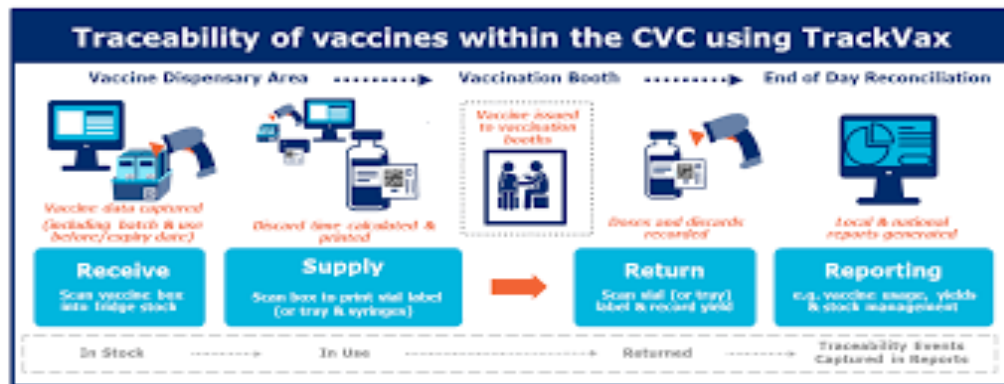


Fully vaccinated by age group - Irl vs EU





Storage, distribution, tracking and safety



Pfizer vaccine
Multidose vials
195 vial/box
Storage at -80°C





Clinical Guidance for COVID-19 Vaccination
Version 5.0
5 February 2021

After your COVID-19 Vaccine Moderna

Thank you for protecting yourself and others by getting the vaccine. Now that you have had your vaccine, we ask you to read this document carefully, so you know how you can expect to feel in the next few days and where to get more information. Do read the COVID-19 vaccine information leaflet we gave you about the vaccine too. We are also giving you a record of your vaccination today. Please keep the record card safe.

What might happen in the next few days?

Some people who got the vaccine that you got today will:

- have tenderness, swelling, redness and/or itching in the arm where they had the vaccine injection
- feel tired
- get a headache
- have swollen lymph glands under the arm where they had the injection
- have muscle pain
- have joint pain
- have nausea or vomiting

and a fever (temperature of 38 degrees Celsius or above)



Welcome to Bulletin 16 from the HSE National Immunisation Office which highlights changes in clinical guidance for the COVID-19 vaccination programme. Bulletins will be published every week or more frequently, if required.

Communicating the risks of very rare clotting events and Vaxzevria®

We have developed graphics to support vaccinators in communicating the risks of very rare clotting events. The data included in the graphics includes data from the European Medicines Agency on reported cases of thromboembolic events associated with thrombocytopenia, and data from the Health Protection Surveillance Centre on rates of hospitalisation and deaths from COVID-19 in Ireland stratified by age group until midnight 24/02/2021.

Rates per 100,000 of Deaths from COVID-19 and spontaneous reports of all clotting events
February 2020 - April 2021

Deaths from COVID-19*	Age Group	Reported clotting events**
0	0-19	0.00
1	20-34	0.00
1	35-44	0.00
1	45-49	0.00
1	50-54	0.00
1	55-59	0.00
1	60-64	0.00

Source: * HSE, COVID-19 cases in Ireland; ** European Medicines Agency (EMA) data
** Age-specific rates of spontaneous reports of all clotting events in the period 2019-2021 (EMA) data

www.immunisation.ie
immunisation@hse.ie



**ROYAL
COLLEGE OF
PHYSICIANS
OF IRELAND**

National Immunisation Advisory
Committee



COVID-19 Vaccine

Important Information about
the Pfizer/BioNTech vaccine,
Comirnaty

Version 4
14 January 2021



Riailtas na hÉireann
Government of Ireland

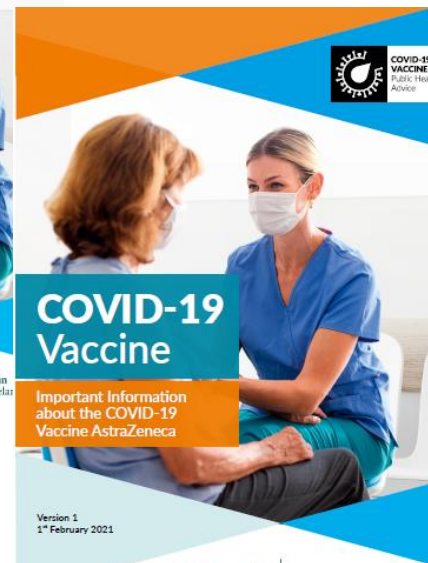
Chapter 5a COVID-19

5a
COVID-19

SEVERE ACUTE RESPIRATORY SYNDROME
CORONAVIRUS 2, SARS-COV-2



Riailtas na hÉireann
Government of Ireland



COVID-19 Vaccine

Important Information about
the COVID-19
Vaccine AstraZeneca

Version 1
1st February 2021



Riailtas na hÉireann
Government of Ireland



The impact of the COVID-19 vaccination programme on symptomatic and severe SARS-CoV-2 infection during a period of Omicron variant dominance in Ireland: December 2021-March 2023- HPSC, Marron et al.

Looked at averted key outcomes in individuals aged 50 years and older during a period of Omicron variant dominance

This study estimated that the COVID-19 vaccination programme in Ireland prevented the following:

- 48,551 (30,296-73,574) COVID-19 cases presenting with symptoms to primary care or community testing centres – 36% of cases expected in the absence of vaccination
- 9,517 (6,364-14,382) Emergency Department (ED) presentations* – 53% of ED presentations expected in the absence of vaccination
- 102,160 (58,753-246,021) hospitalisations with COVID-19 – 81% of hospitalisations expected in the absence of vaccination
- 3,303 (1,500-15,801) Intensive Care Unit (ICU) admissions due to COVID-19 – 89% of ICU admissions expected in the absence of vaccination
- 15,985 (8,031-61,814) deaths due to COVID-19 – 87% of deaths expected in the absence of vaccination

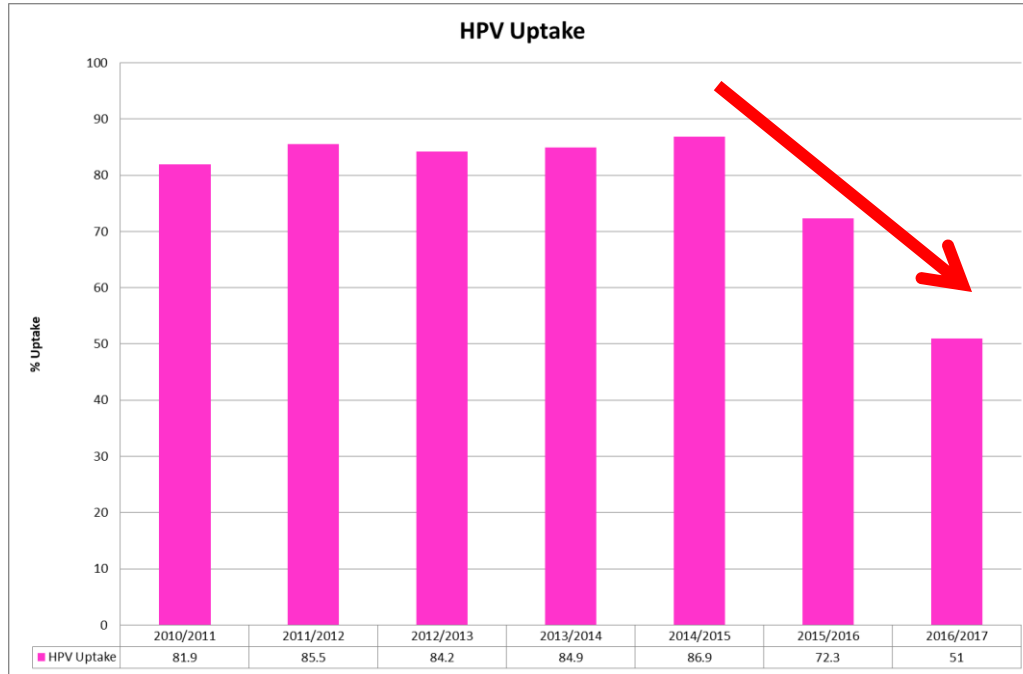
*Excluding Hospital/ICU admissions or deaths



**Vaccines to prevent
cancer**



HPV Vaccine Uptake girls programme



We thought we had strong defences and had high uptake but sudden vaccine confidence scare uptake dropped dramatically





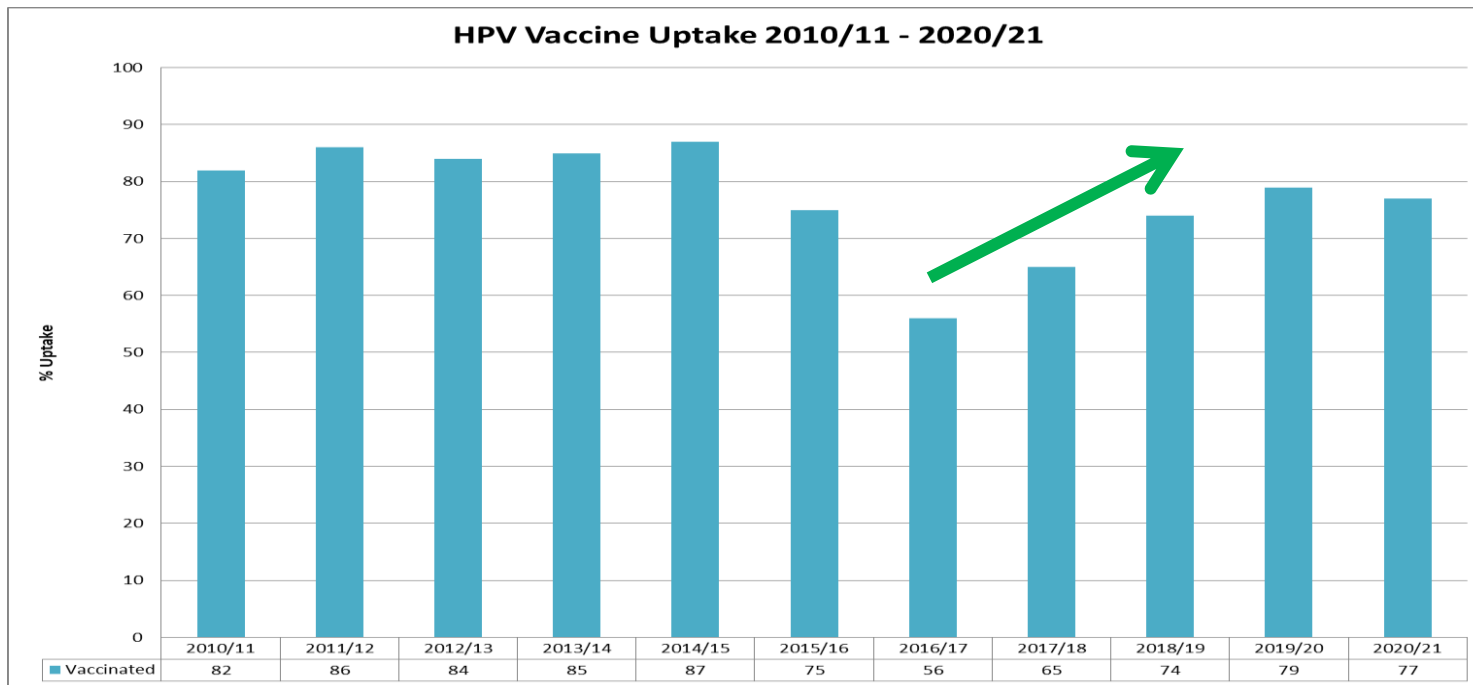
What did we do

- Asked parents and young people about their concerns and addressed them
- Agree key messages with cancer charities and formed HPV alliance
- Provided info and training to healthcare professionals
- Information to teachers
- Vaccine advocate
- Social media campaigns including media training for spokespeople
- Offered catch-up opportunities



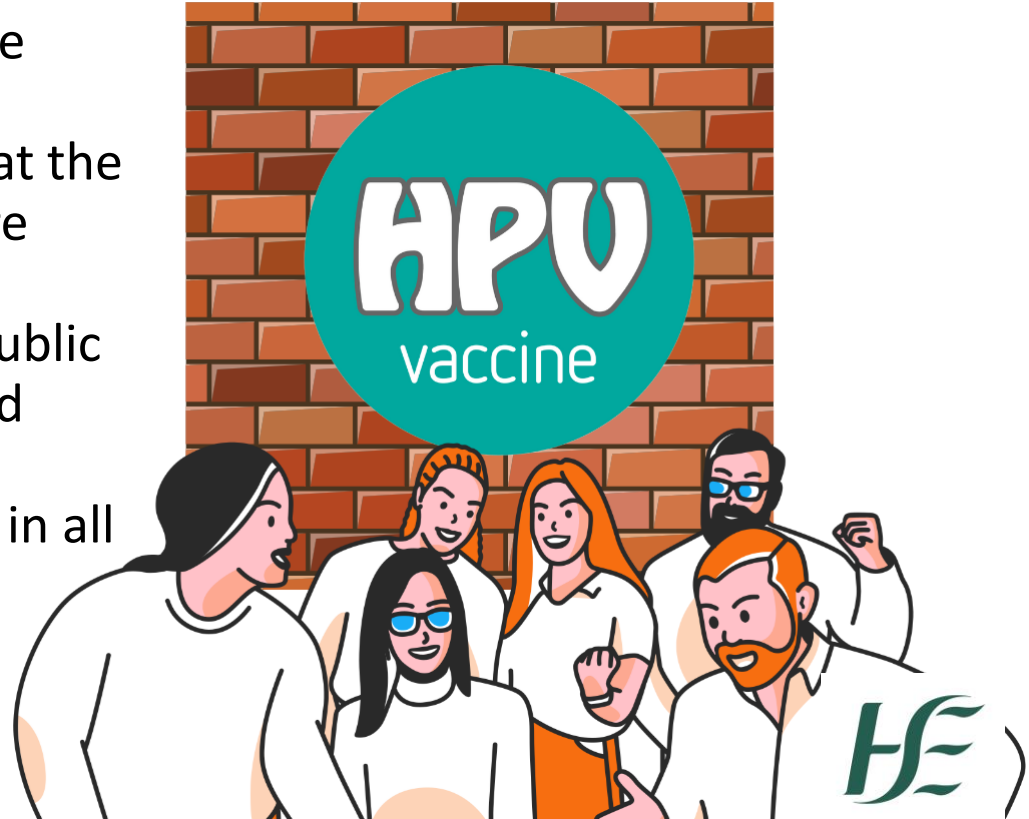
Laura Brennan RIP
30/091992-20/03/2019

What was the outcome?



Countering the crisis in confidence

- No one thing alone would have worked
- Very important to identify what the actual issues were people were having and address them
- Also to keep listening as the public narrative changed and respond quickly if needed
- Continue to use these lessons in all our vaccine campaigns

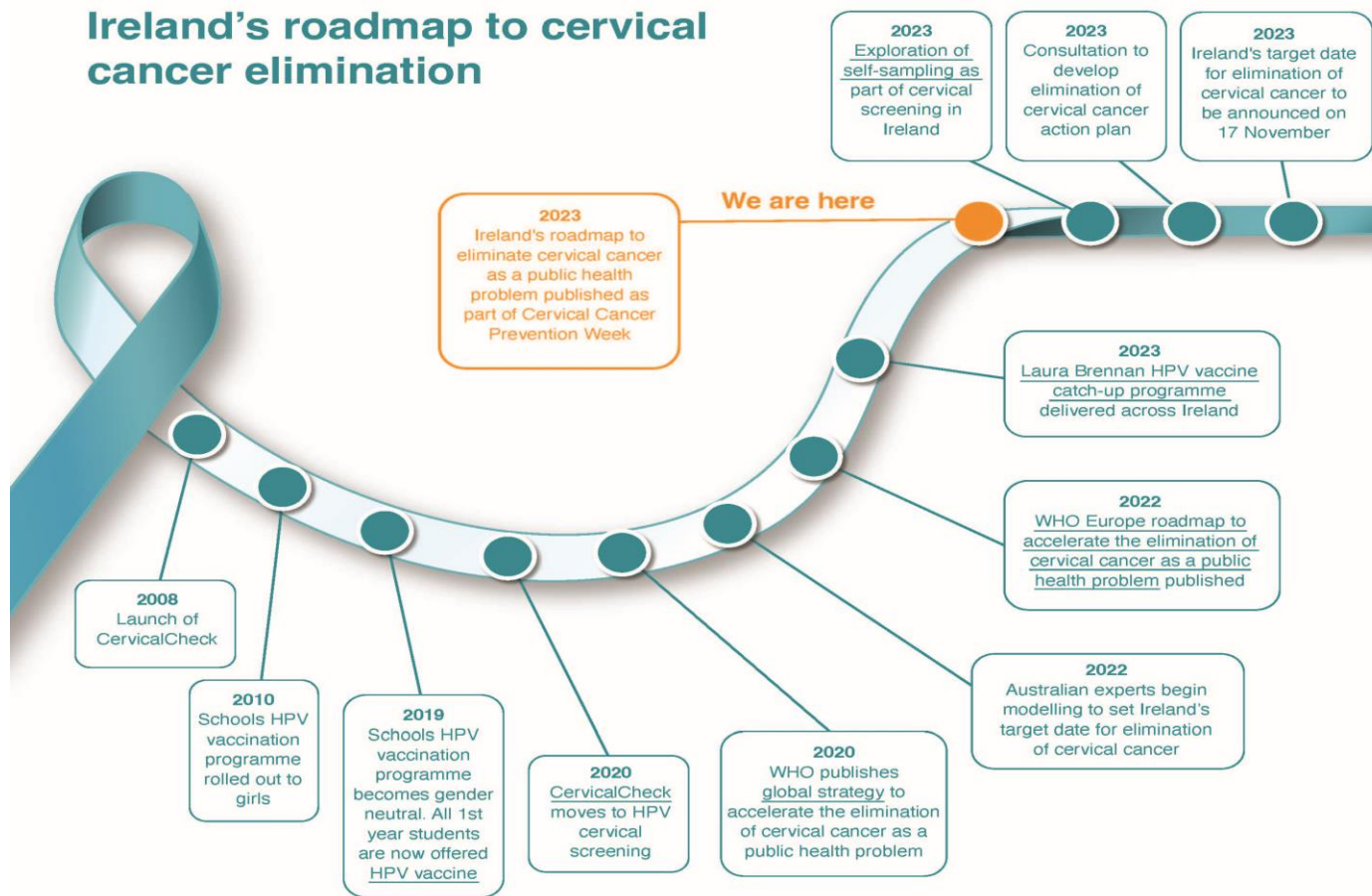


HPV programme in Ireland continues to evolve

- Started with girls in first year of secondary school (about 13 yrs old) in 2010
- Catch-up for girls up to 18 yrs
- Programme gender neutral since 2019
- Over 500,000 vaccinated
- Launched the Laura Brennan HPV Catch Up Vaccination Programme on 8th December 2022, extended to boys under 22 in Aug 23
- School Programme continues
- Now single dose recommended up to 24 yrs



Ireland's roadmap to cervical cancer elimination



WHO Target

Incidence rate of
4 per 100,000

90%
of girls fully vaccinated with HPV vaccine by age 15 years.

70%
of women are screened with a high-performance test by 35 years of age and again by 45 years of age.

90%
of women identified with cervical disease receive treatment (90% of women with precancer treated, and 90% of women with invasive cancer managed).



Thank you

