



# THAILAND

## HPV NATIONAL IMMUNIZATION PROGRAM

### Authors

Dr. Piyada Angsuwatcharakon  
Dr. Jurai Wongsawat

### Organization

Division of Communicable Diseases, Department of Disease Control

### » Programme Status

- The 2-dose-HPV vaccine is **nationally introduced** as part of the immunization program is primarily targeted at 11-12-year-old girls
- **Year of Introduction:** The HPV vaccine was officially introduced in 2017.
- **Update recommendation by Thai ACIP (July 2024):** Standard schedule is 2 doses (or alternative 1 dose of vaccine which reveals the most broadening coverage of cancer-related strains according to Thailand's context)

### » Implementation Strategy

- **The budget allocation and procurement:** The National Health Security Office (NHSO) ensures funding and procurement of the HPV vaccine, coordinating with health facilities to support vaccine distribution and delivery.
- **Distribution Process:** The vaccines are distributed to community hospitals which then provide the vaccines primarily through a school-based outreach system.
- **Primary Distribution Sites:** The HPV vaccination program in Thailand is primarily conducted through a school-based outreach approach. Girls aged 11-12, the main target group, receive the vaccine directly at their schools.

### » Best practices

In 2023, Thailand launched the “Quick Win 1 Million Doses in 100 Days” project as part of the policy “2023-2024 Comprehensive Cancer Care”. This initiative aimed to administer 1 million doses of the HPV vaccine to girls aged 11-20 years within 100 days to prevent cervical cancer. Surpassing its target ahead of schedule, the success was due to the collective efforts of health personnel, the Ministry of Public Health, partner organizations, and all levels of health service units.

As of September 15, 2024, the latest results show that the HPV vaccination program in Thailand has successfully administered 2 million doses, doubling the original objective.

### » Barriers

Barriers to the HPV vaccination program in Thailand include vaccine shortages due to a **global vaccine shortage**, and **missed coverage of out-of-school girls** since the vaccine is mainly distributed through school-based programs. Strategic procurement planning and inclusive outreach are needed to address these issues.

### Additional Policy:

In 2023, Thailand expanded the target group for the HPV vaccine to include a catch-up vaccination for girls nationwide aged 11-20 who had not yet received the vaccine during the global shortage. The first dose was administered in 2023, with the second dose planned for 2024

### » Coverage

Targeted Population		HPV coverage (%)	
Age	Educational year	1st Dose	2nd Dose
After Routine HPV Immunization			
11-12 years	Grade 5/2022-2023	82.8	60.4
13-15 years	Grade 5/2019-2022	75.6	40.9
16-17 years	Grade 5/2017-2018	96.3	85.8
Total		83.6	59.3
Before Routine HPV Immunization			
18-20 years	Grade 5/2014-2016	16.8	1.6
Grand Total		63.6	41.6

### » Dosing Schedule

- **Vaccine product:** 2vHPV or 4vHPV
- **Number of Doses Administered:** 2 doses apart 6 months
- **Target Cohort:** Primarily in 11-12-year-old girls, typically those in Grade 5 within the school system.

Corresponding Author Contact Email: [Piyada.angs@gmail.com](mailto:Piyada.angs@gmail.com), [Juraiw@hotmail.com](mailto:Juraiw@hotmail.com)