

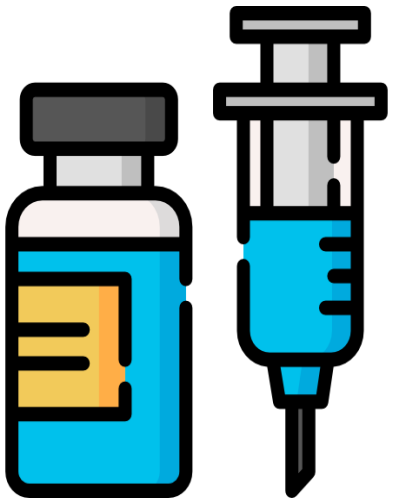


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# HPV Vaccine Delivery Strategy, How to move forward sustainable delivery platform and Facilitators to achieve sustainable coverage



**AddisAbaba, Ethiopia  
25 September 2022**

October 18, 2022



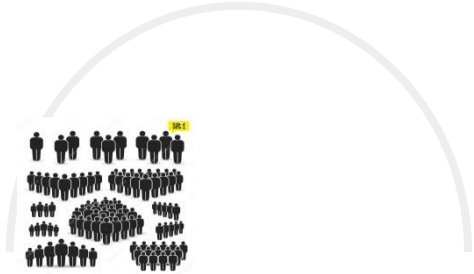
# Outline



- Background Information
- HPV Vaccination Performance
- Vaccine Delivery Strategy
- Facilitators to achieve sustainable coverage
  - Planning and Coordination
  - Inter-sectoral collaboration
  - Communication activities
  - Supply distribution
  - Monitoring and Supportive Supervision
- Major Challenges/Gaps
- Moving forward - Sustainability

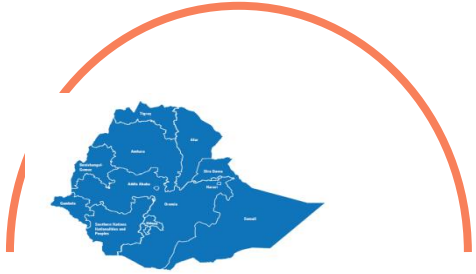


# Ethiopia-Background



Population

**105,119,962**



Administration

**11** **115**  
Regions Zones  
**2** **1054**  
City admins Weredas



Rural Community

**83%**



Area

**1,100,000**  
square  
kilometres

## Hospitals

395



## Health Centers

3,704



## Health Posts

18,202


  
**National and Regional  
 Laboratories**

14


  
**National and Sub  
 National EPISA Hubs**

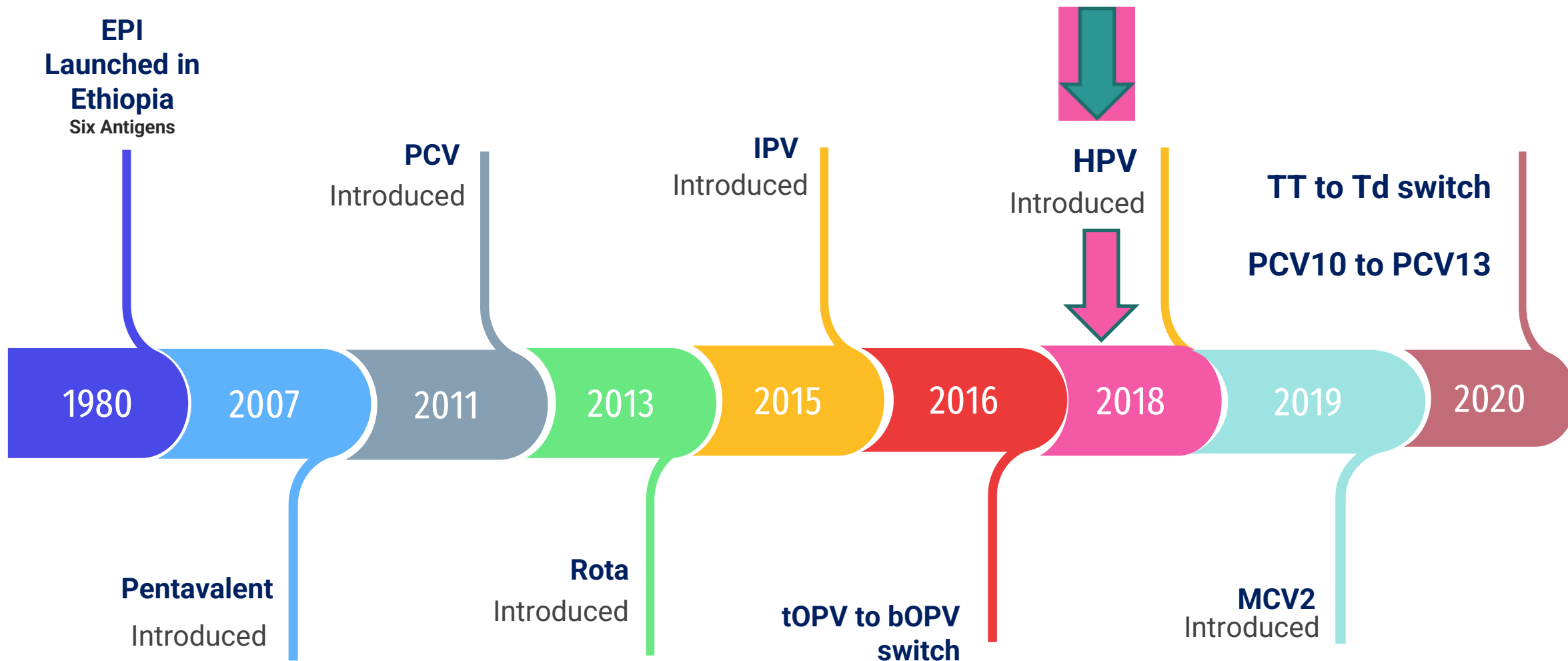
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**HFs Providing  
 Immunization Service**

> 21,000



# Ethiopia EPI-Background



Currently **12** Antigens are being provided as part of the Routine Immunization program (RI). <sup>5</sup>



# MCH Indicators



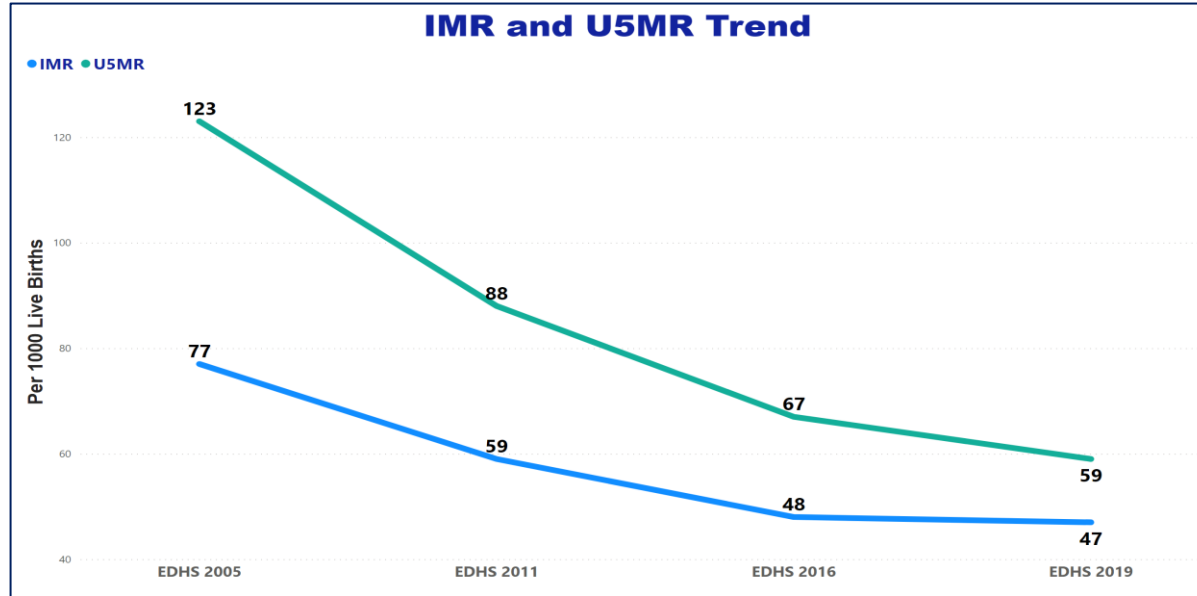
MMR per  
100,000

**676**  
(EDHS 2011)

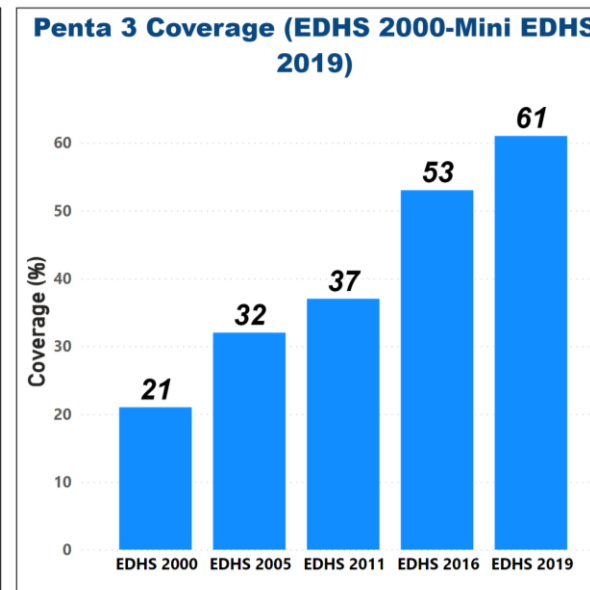
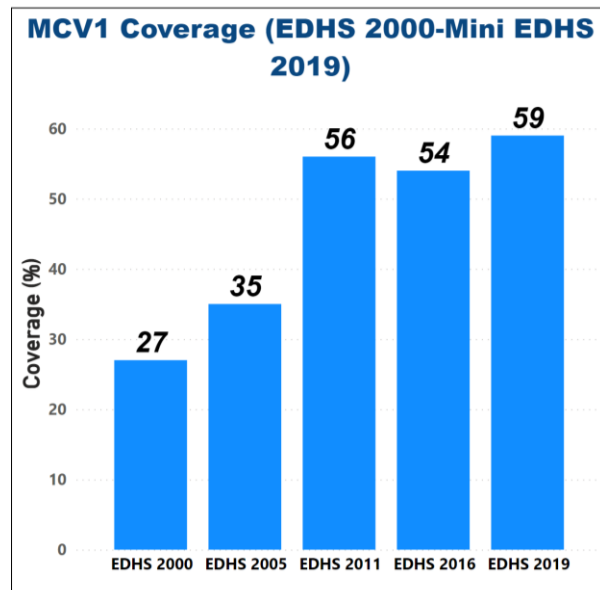
To

**401**  
(WHO and  
World Bank  
2017)

October 18, 2022



- Under 5 Mortality Rate Decreased from **123** in **2005** to **59** in **2019**



Penta3 coverage increased from **21%** in **2000** to **61%** in **2019**

# HPV Related Disease Burden



- In Ethiopia, the most prevalent cancers among women adults are **breast cancer (30.2%)** and **cervical cancer (13.4%)**.
- Ethiopia has a population of **20.9 million women > age 15 at risk**.
- About **7,095 new cervical cancer** cases are diagnosed annually in Ethiopia (estimations for 2012).
- 35.9 new cases of cervical cancer are diagnosed, and 22.6/100,000 women die annually
- **Over 80% of cases are detected at a late stage** due to *lack of information* about cervical cancer and *weak prevention services*.



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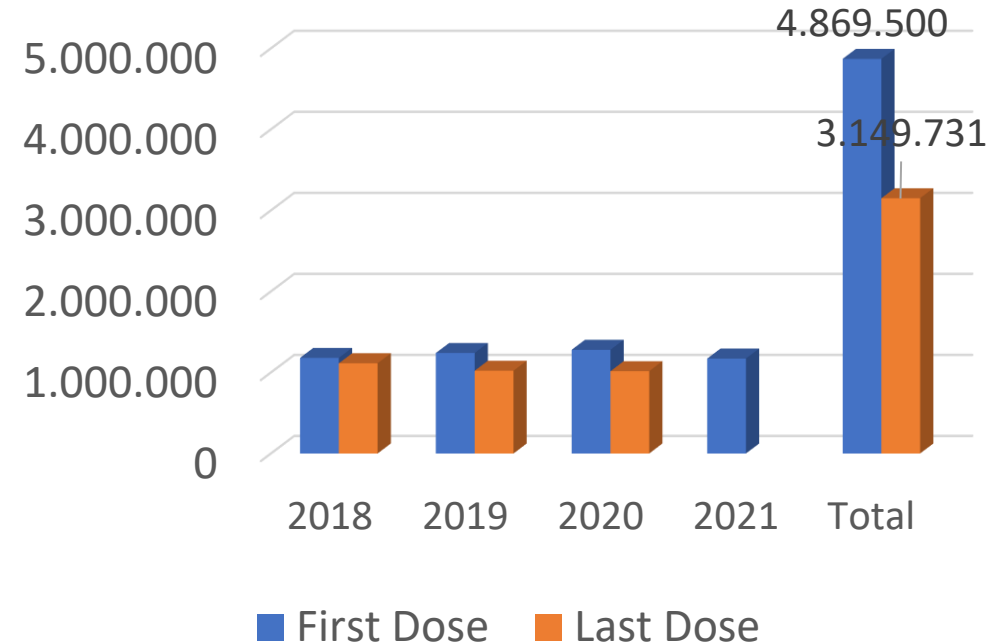
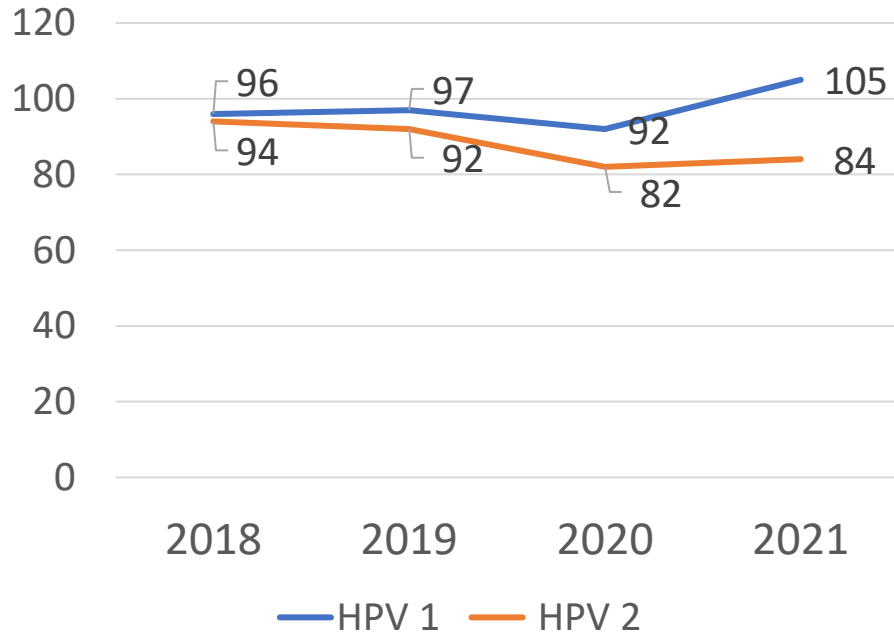


# HPV Vaccination





# HPV Vaccination Performance in Ethiopia, 2018-2021



- Ethiopia introduced HPV vaccination in October 2018
- Single age cohort of 14-year-old girls

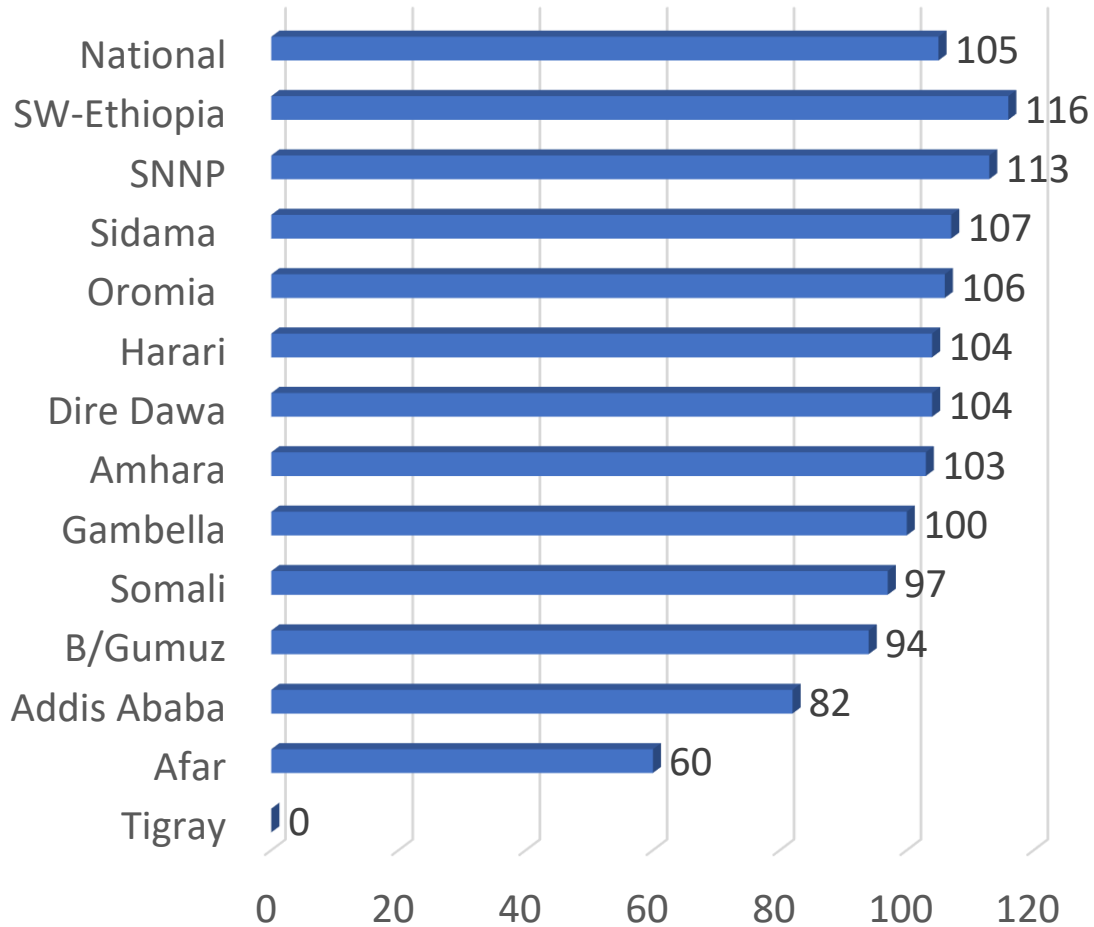


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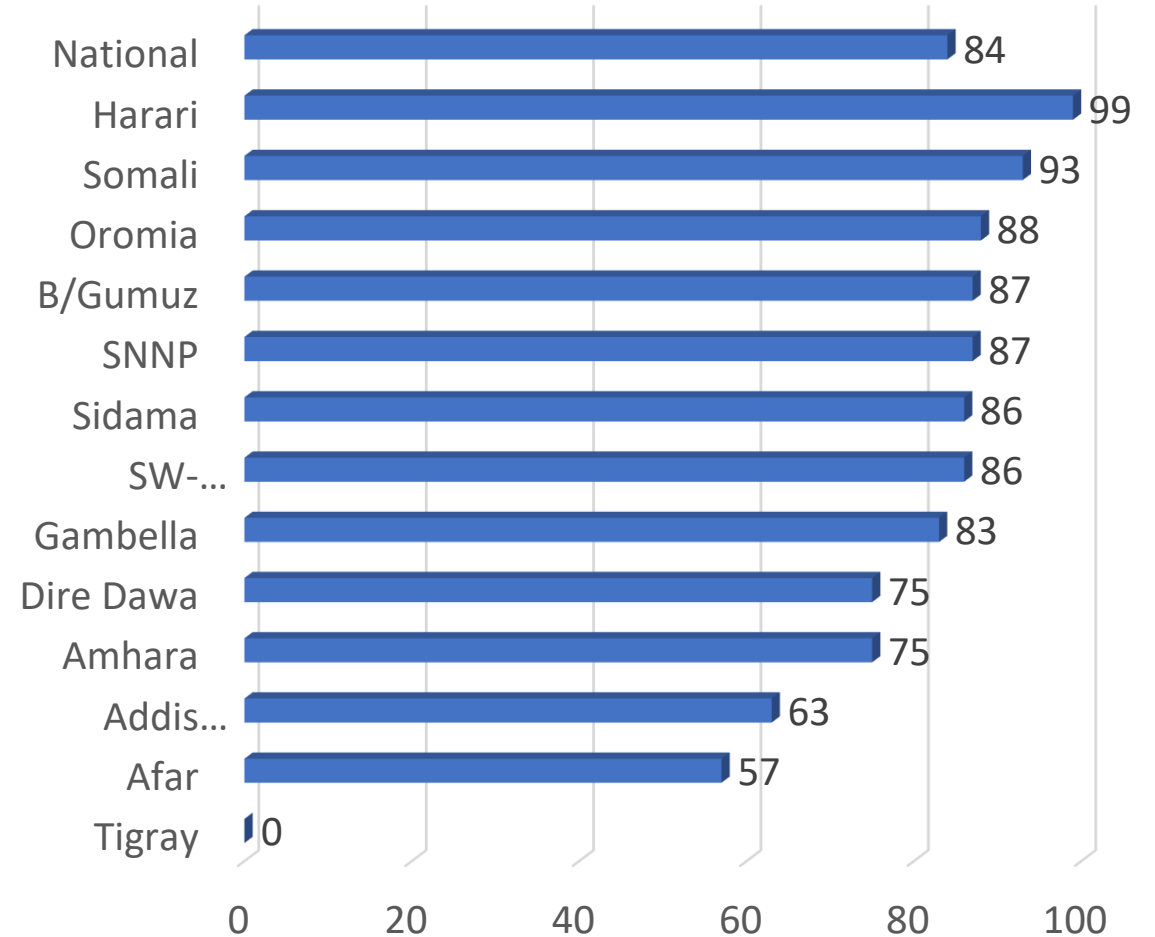
# Administrative Coverage of HPV Vaccination, 2021



## First Dose



## Last Dose

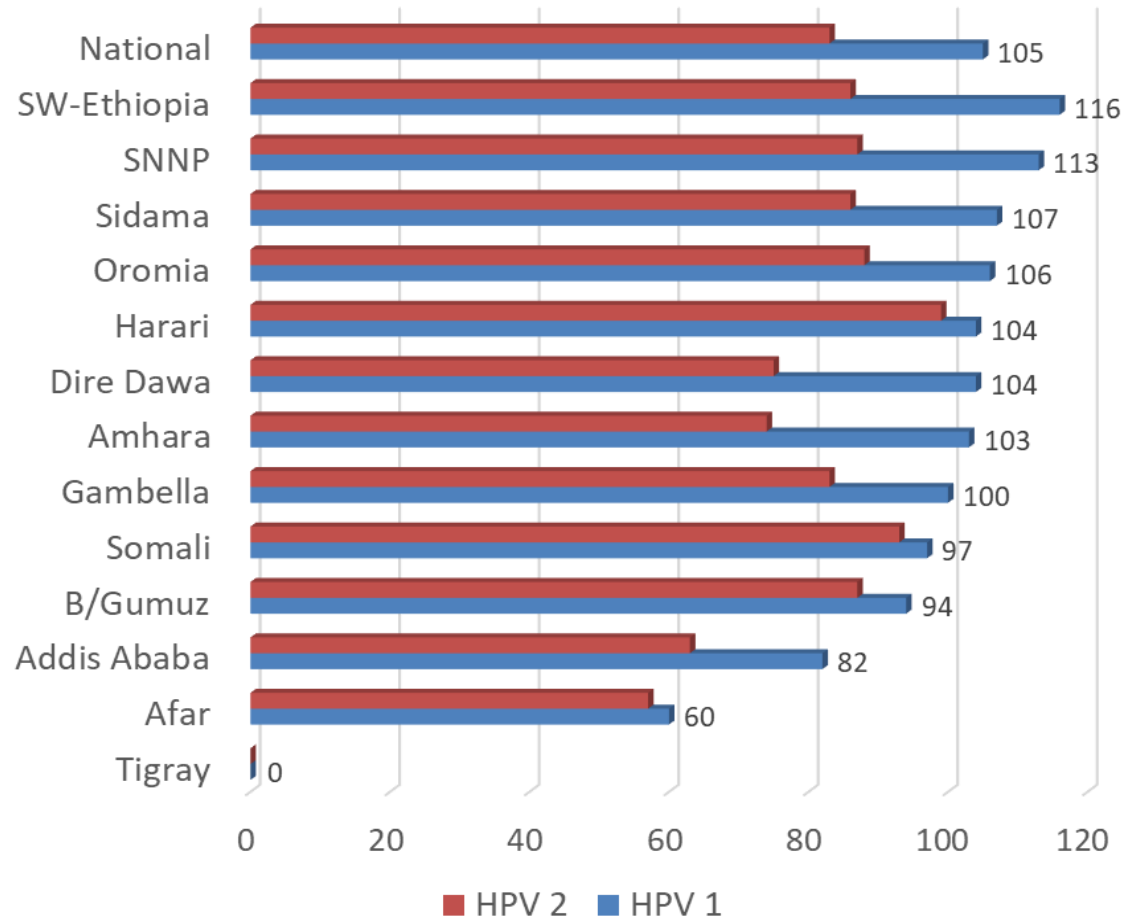




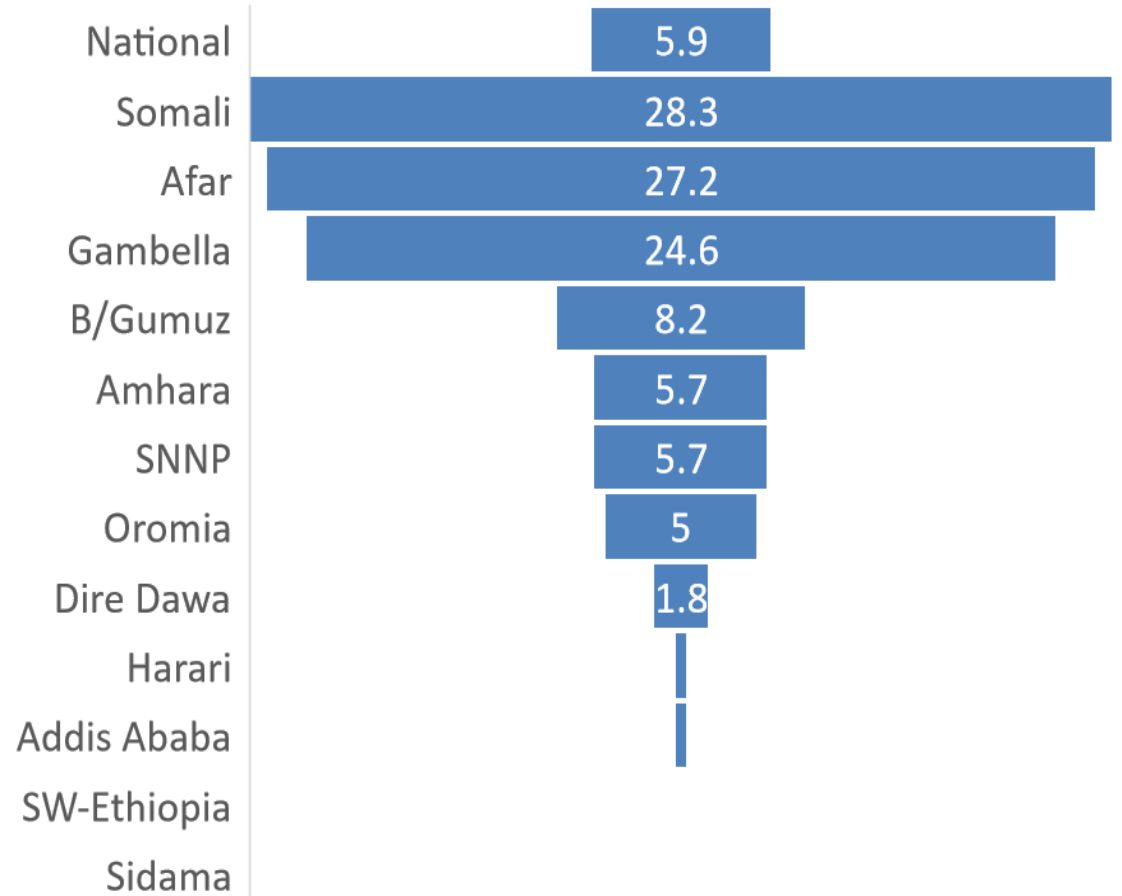
# HPV Vaccination Performance, 2021



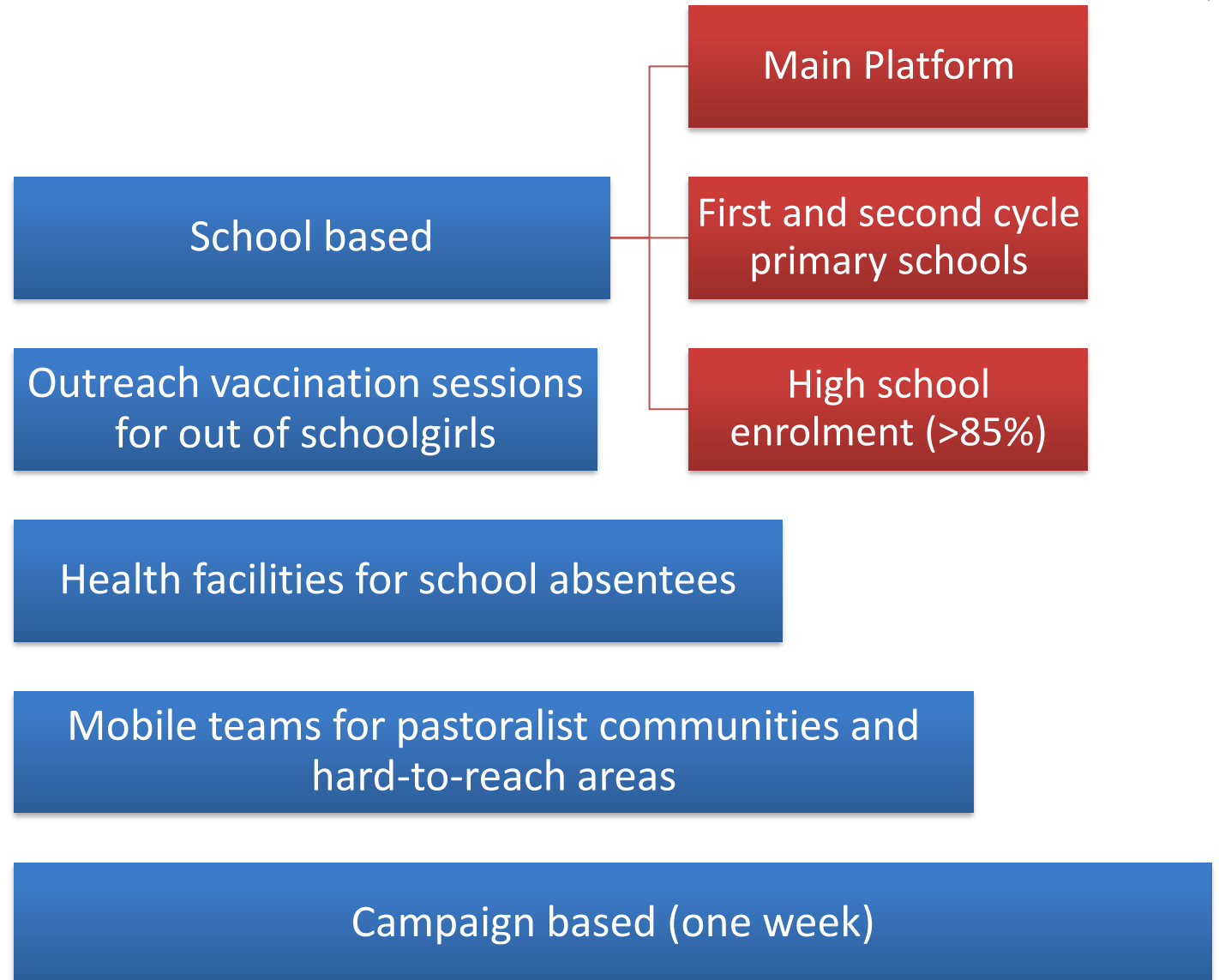
## Comparison b/n First and last dose of HPV Vaccination



## Proportion of OS Vaccinated Girls, 2021



# Vaccine Delivery Strategy



# Facilitators to achieve sustainable coverage

Planning and Coordination

Inter and intra-sectoral  
collaboration

Demand Promotion

Monitoring and Supportive  
Supervision



# Planning and Coordination

- Annual woreda based planning – all levels
- Full engagement of TWGs (M & E, Communication and Logistics)
- Micro-plan template developed and shared to all regions
- Target verification with RHBs and national target was set based on the context at the ground
- TOR developed for integration of the two-cohort and shared to the sub-national level
- Letter of support issued to MoE. In response MoE cascaded down the letter to all regional Education Bureaus
- Partner mapping (Repurpose of Technical Assistances –all levels)

# Inter/Intra- sectoral collaboration



- Advocacy visit to the ministry of Education (joint planning)
- Engagement of ministry of women and children affairs
- Agencies and other directorates including EPSS, EFDA, Health Information and Counselling Directorate and other MCH teams
- Media
- Former first lady
- Immunization partners and other stakeholders



# Demand Promotion

- Sensitization workshop was done for key stakeholders
  - In 2020 (In four pastoralist regions and 1 zone)
  - In 2021 (in five regions- Agrarian, Urban, Conflict affected and pastoral regions)
- Ten minutes Audio-video clip on HPV and cervical cancer prevention developed for the sensitization workshop
- Video clip was dubbed to Afar and Somali languages
- HPV messages transmitted through MOE TV and school media







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# HPV Familiarization Meetings





# Demand Promotion Activities ....



- Integrated COVID 19 and HPV vaccination **familiarization workshop** was given to
  - Media professionals (both Government and Private)
  - Education sector (MOE, Teachers Association, Delegates from the Regional Education Bureau)
  - Communication officers and PR Directors of all Ministry's of the Federal Government
  - People with disability association
- Prime time TV and Radio **spot message** transmission through national media
- **Communication budget** for local TV and Radio transmission allocated to all regions
- Orientation to Health information and counselling team @ MOH (Hot line **free call**) given



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# Sensitization workshop to community leaders and orientation to schoolteachers

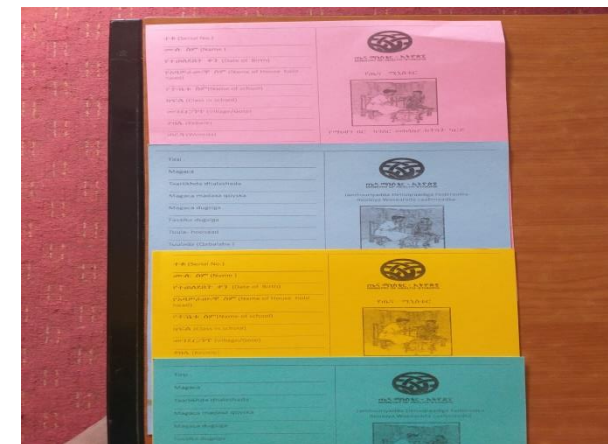




# Logistics



- Ensured **enough amount of vaccine** is in country
- **Finalization of printing materials** (vaccination card and tally sheets)
- **HPV Register printing budget** sent to RHBs from the govt treasury
- Vaccination **cards were identified by color** (4 local languages) to avoid mix up
- Based on the verified MP, **supply distribution plan shared to EPSA** a month prior to the actual implementation date.
- More than 300,000 pieces of **PPE distributed** to sub national level
- **Supply distribution** to woreda level completed through EPSA hubs





## Monitoring & Supervision



- Virtual orientation on the integrated HPV vaccination delivered to more than 96 regional, zonal and woreda health office experts
- TOR on the integrated HPV vaccination developed and shared to the sub-national level
- Activity timetable developed and tracked accordingly
- 10 Technical Assistants hired for two months and deployed to agrarian regions and City Administrations (2020)
- Partners mapping done and all immunization TAs were repurposed to support HPV vaccination
- Central command post was established, and field activity was monitored on daily bases
- Central team member deployed to various regions
- On site monitoring and supervision was done by various level supervisors



**Intra-Campaign Field  
Visit by Higher Officials**



# Number of girls vaccinated in the last two years

2020

## First Dose

- Target girls: **1,384,517**
- Total vaccinated: **1,279,237**

## Last Dose

- Target girls: **1,244,467**
- Total vaccinated: **1,020,938**

2021

## First Dose

- Target girls: **1,114,243**
- Total vaccinated: **1,170,860**

## Last Dose

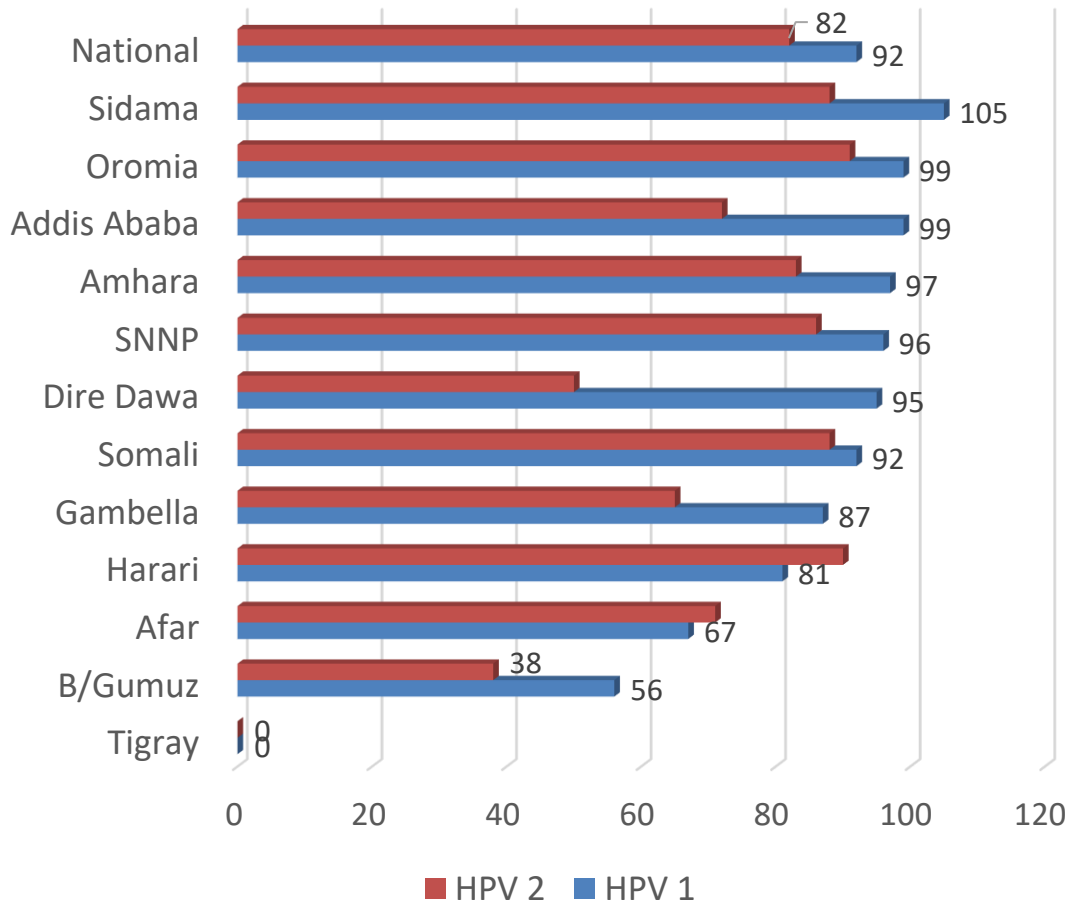
- Target girls: **1, 170,860**
- Total vaccinated: **Pending**



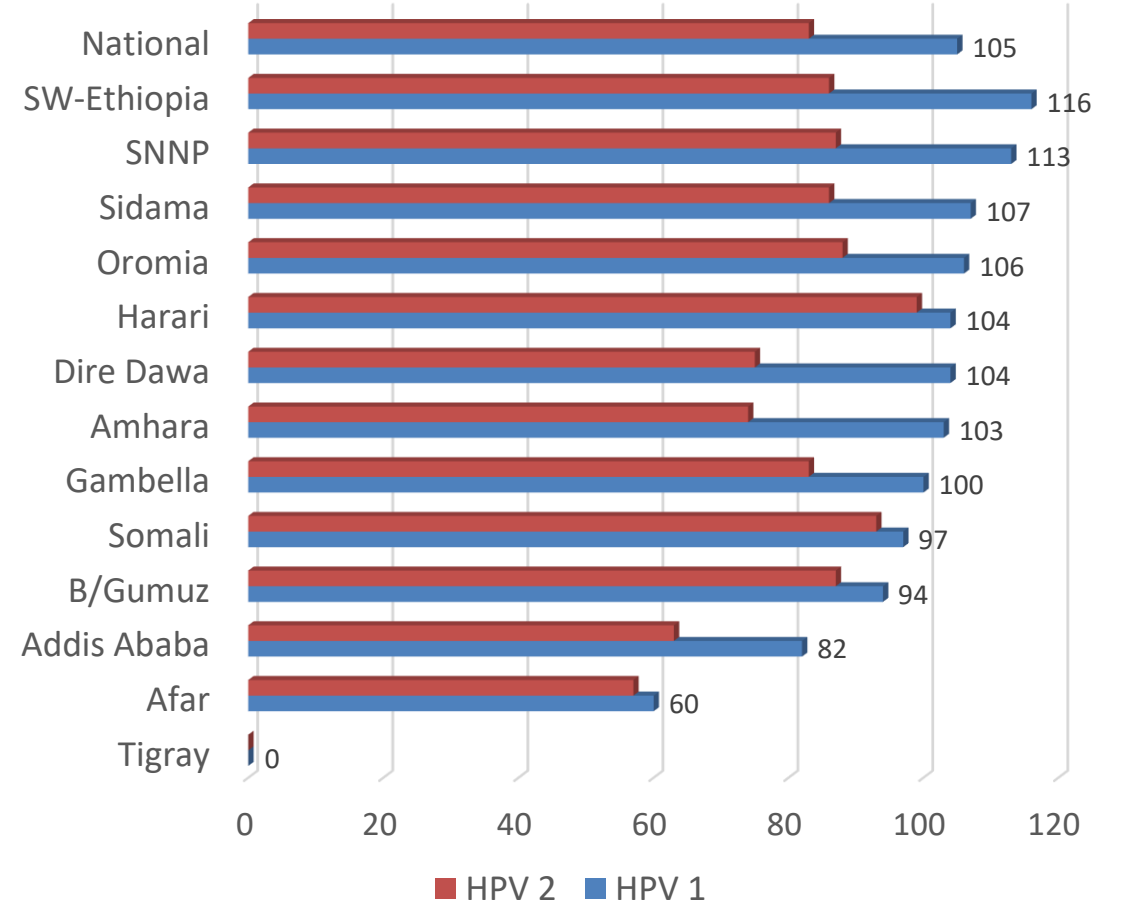
# Admin coverage of HPV vaccination during the Covid pandemic, 2020 & 2021



### Admin Data of HPV 1 & 2 vaccination, 2020



### Admin Data of HPV 1 & 2 vaccination, 2021



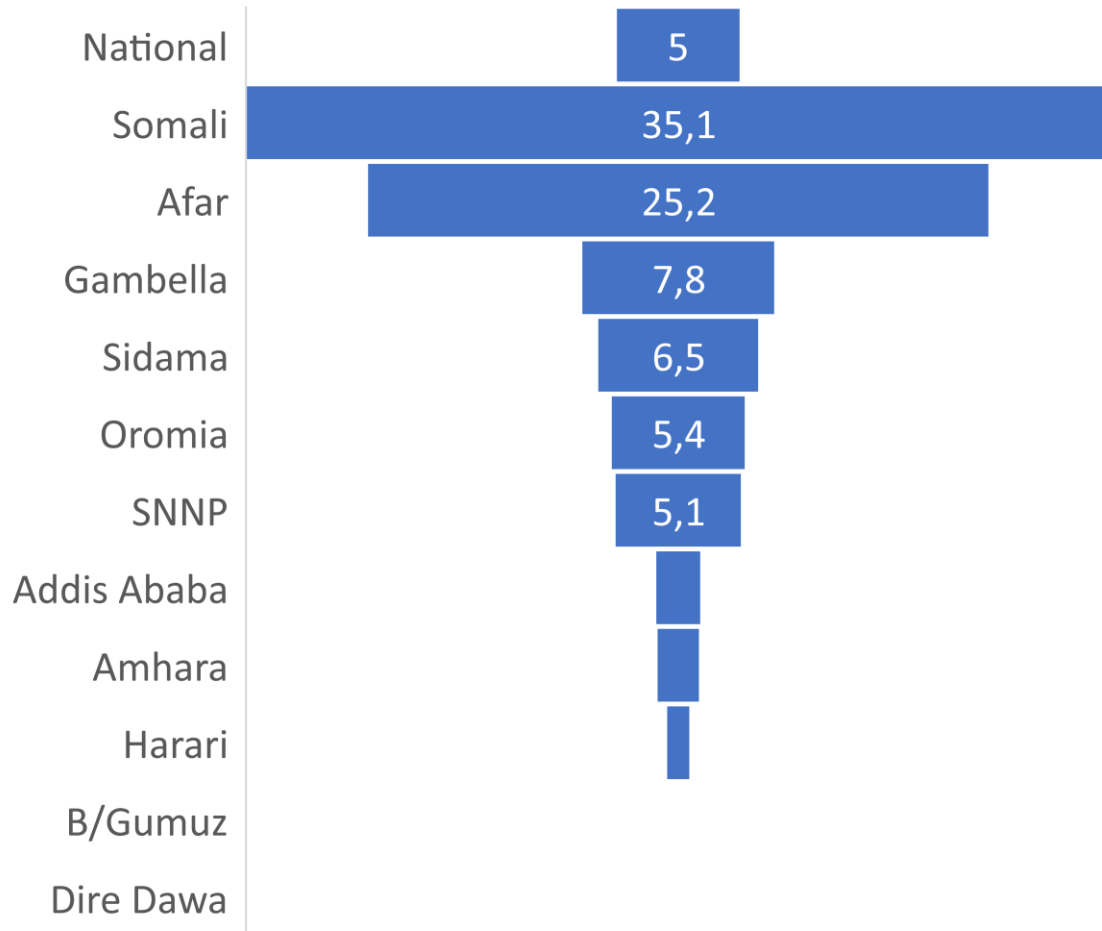




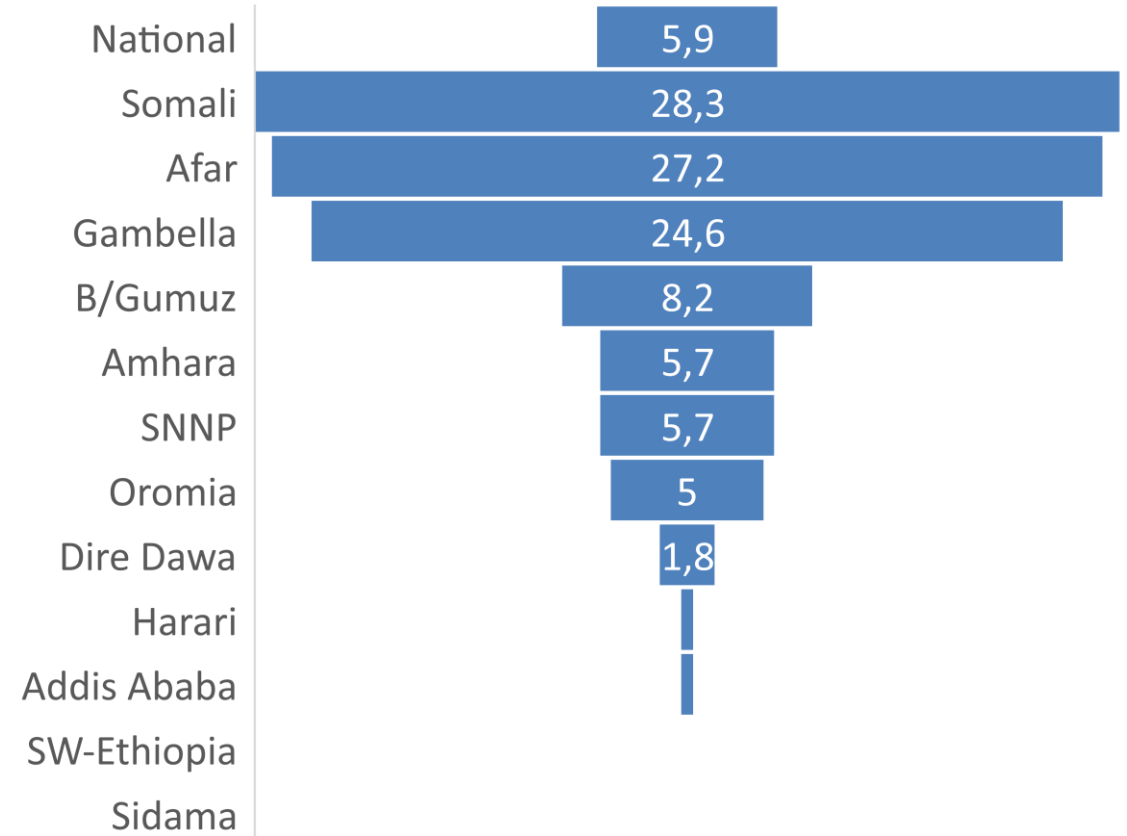
# Proportion of out of school vaccinated girls by Region



2020



2021





# In and Out of School HPV Vaccinations



Denbecha Woreda Seregela kebele January 25/2021





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# Major Challenges/Gaps



- Lack of operational budget for vaccinators, activity cost, capacity building, community sensitization, Review meeting, ...
- School closure and shut down following covid 19 outbreak
- Local unrest
- Sub-optimal reporting through the DHIS 2
- Challenge to get significant proportion of 8<sup>th</sup> grade girls (HPV 2)
- Under and over age vaccination (age trade-off)





## Lessons Learnt and the way forward/sustainability

- High political commitment and partner engagement
- No serious AEFI was reported in any of the regions
- Good inter sectoral collaboration with Ministry Of Education and other key stakeholders
- Encouraging night school vaccinations
- Vaccinating all eligible walk in girl at the HFs
- Joint planning with RHBs to address security affected areas
- Continue the sensitization workshop in regions with low coverage and significant proportion of out of schoolgirls reside
- Finalize HPV Vaccination Cost of Delivery Study
- Continue with school-based vaccination in a campaign mode
- Negotiate with GAVI to address the MAC



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አመሰናለሁ!  
Thank you!

