



COALITION to STRENGTHEN
the HPV IMMUNIZATION
COMMUNITY



A Healthy People. A Wealthy Nation

Rwanda data availability: Denominator data, data for planning and strengthening health information systems

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CHIC SPC Symposium

HPV Vaccination Programs: From Pre-introduction Planning to Restoration and Sustainability

24 – 25 Sept 2022 – Addis Ababa, Ethiopia

- I. Overview on health information system
- II. Rwanda health structure
- III. Data collection, storage and reporting mechanism
- IV. Data for planning and strengthening health information systems
- V. HPV denominator and vaccine delivery strategies
- VI. HPV achieved coverage
- VII. Data management
- VIII. Implementation of HPV Vaccination
- IX. Implementation
- X. Decision Making
- XI. Sustainability

III. Data collection, storage and reporting mechanism

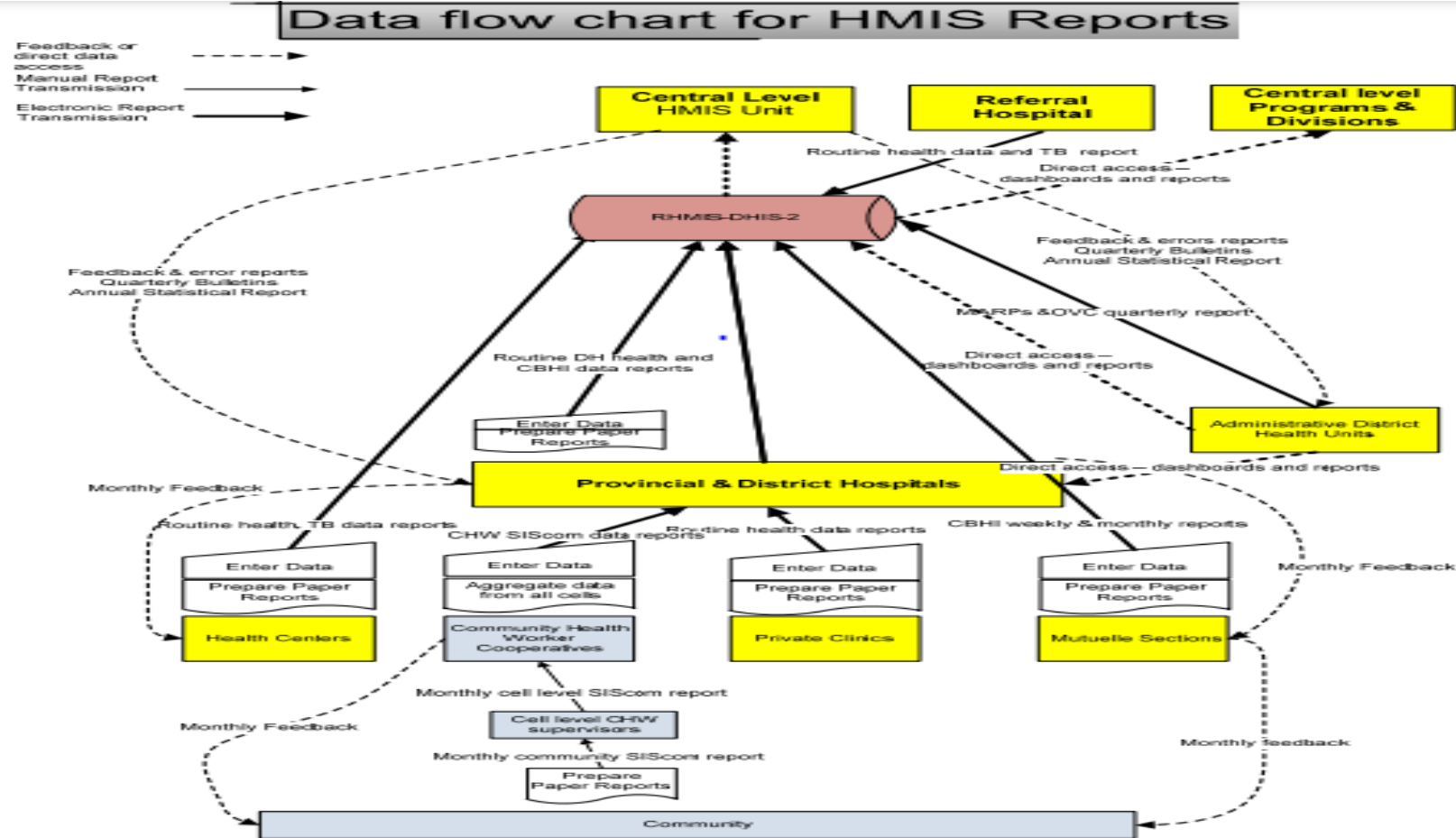


Fig 2: Rwanda health information flow

- Registers
- Reporting forms (Caneva) through HMIS
- Database for information management **DHIS2-HMIS** (Unique username and password, personal Dashboard)

RI DATA REPORTING FORM

XIII. Vaccination

A	Vaccine Antigen/Item distributed	0 -11 Months	≥1 Year
1	BCG		
2	Polio-Zero (P0)		
3	Polio-1 (OPV1)		
4	Polio-2 (OPV2)		
5	Polio-3 (OPV3)		
6	IPV		
7	DTP-HepB-Hib1		
8	DTP-HepB-Hib2		
9	DTP-HepB-Hib3		
10	Pneumococcus 1		
11	Pneumococcus 2		
12	Pneumococcus 3		
13	Rotavirus 1		
14	Rotavirus 2		
15	Measles&Rubella (MR)1		
16	Insecticide Impregnated bed nets distributed to children		

B. Vaccines for other age groups

		15 Months	16 Months +
17	Measles & Rubella (MR) 2		
18	HPV 1	12 years	
19	HPV 2		

IV. Data for planning and strengthening health information systems



MOH/ EPI has adopted to link all information of civil registration with vaccination information
have a unique identification of children across programs/ systems
Minimize workload and typing errors in EPI tracker child registration
Easily find child identification
Provide denominators/ targets of vaccination coverage

➤ Establishment of individual record digitalization

(**Immunization e-tracker system**) through DHIS-2 from January 2020.

➤ Integration of HPV in Immunization e-tracker system starting this year 2022.

Immunization individual record



Registration and Data Entry

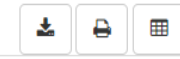
Reports

- Rwanda
 - East
 - Bugesera District
 - Nyamata Sub District
 - Gashora
 - Biryogo cell
 - Gashora CS**
 - Gashora MU
 - Kabuye cell
 - Kagomasi cell
 - Mwendo cell
 - Ramiro cell
 - Test Eye Tracker
 - Juru
 - Kamabuye
 - Mareba
 - Mayange
 - Musenyi
 - Mwogo
 - Ngeruka
 - Ntarama

Immunization

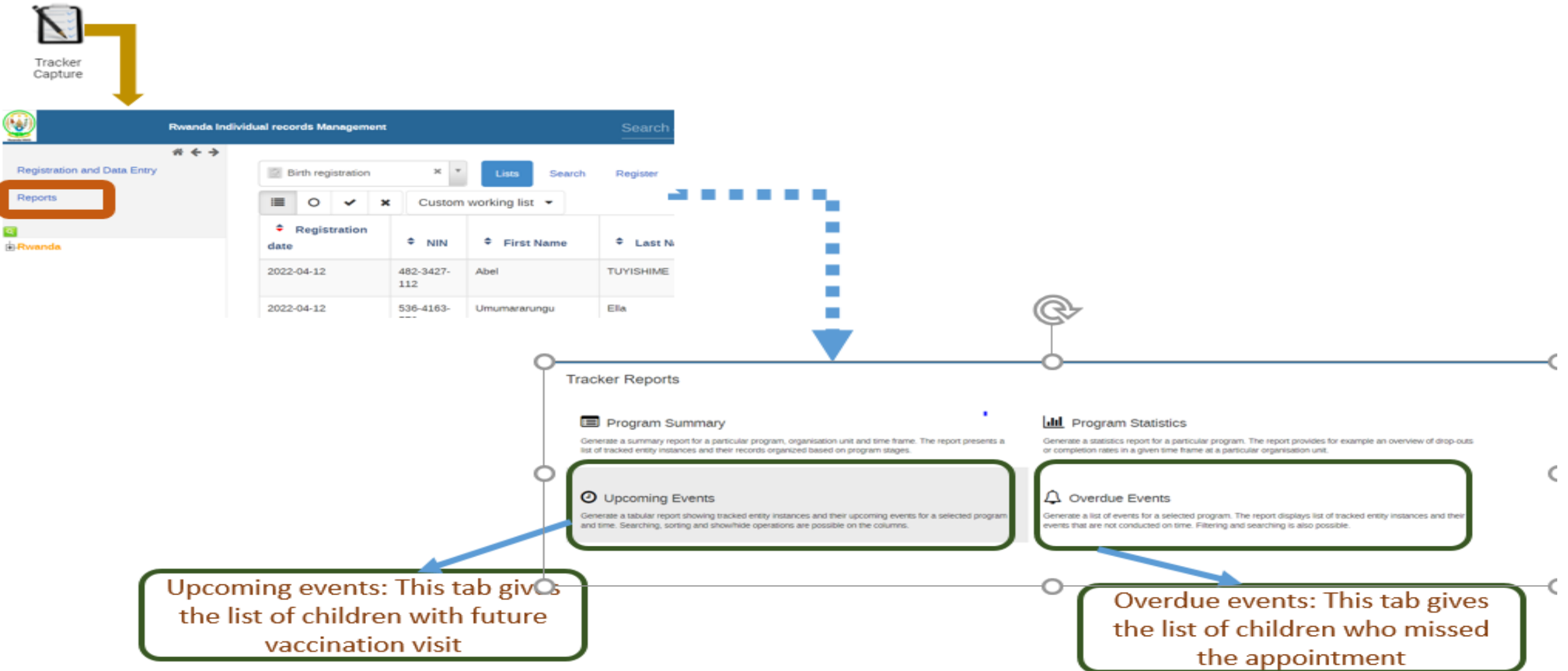
- Cleft palate
- Ambulance Activity Report
- Birth registration
- Immunization**
- Leprosy Contact Tracing
- Leprosy Patients Tracker
- RBF ART Retention
- RBF Exposed Infants
- TB case surveillance

Lists Search Register



Auto Gen Child ID	Child ID (Register number)	NIN	First Name	Family Name	
0797899	758/22		POKEYA SIFA	HOLLY SPIRITS	
0797885	757/22		UWAMAHORO	Rachel	
0797871	756/22		IRAKOZE	Mugisha cedric	
0797853	755/22		BYIRINGIRO	Innocent	
Gashora CS	2022-09-21	2022-0797839	754/22	MUHAWENIMANA	Denyise
Gashora CS	2022-09-21	2022-0797821	753/22	ATETE	Leonce
Gashora CS	2022-09-21	2022-0797807	752/22	AKOGUTETA	Umwali saranda
Gashora CS	2022-09-21	2022-0797794	751/2	IRADUKUNDA	BOBO GIBRILLE
Gashora CS	2022-09-21	2022-0797785	750/22	IRADUKUNDA	Shema Guini
Gashora CS	2022-09-21	2022-0797776	749/22	NIYOMUKUNZI ISHIMWE	Leo calire
Gashora CS	2022-09-21	2022-0797765	748/22	GISUBIZO DOCTOR	Bright
Gashora CS	2022-09-21	2022-0797762	747/22	NIYIGABA MANZI	Geska
Gashora CS	2022-09-21	2022-0797754	746/22	NTIHINDUKA	Elive
Gashora CS	2022-09-20	2022-0797324	745/22	UWAMAHORO	Clovaia
Gashora CS	2022-09-20	2022-0797314	744/22	MUTAGOMWA	IRIZA TRACY
Gashora CS	2022-09-20	2022-0797309	743/22	IHIRWE	Devis
Gashora CS	2022-09-20	2022-0797301	742/22	NIYOBYOSE	IMFURAYABO

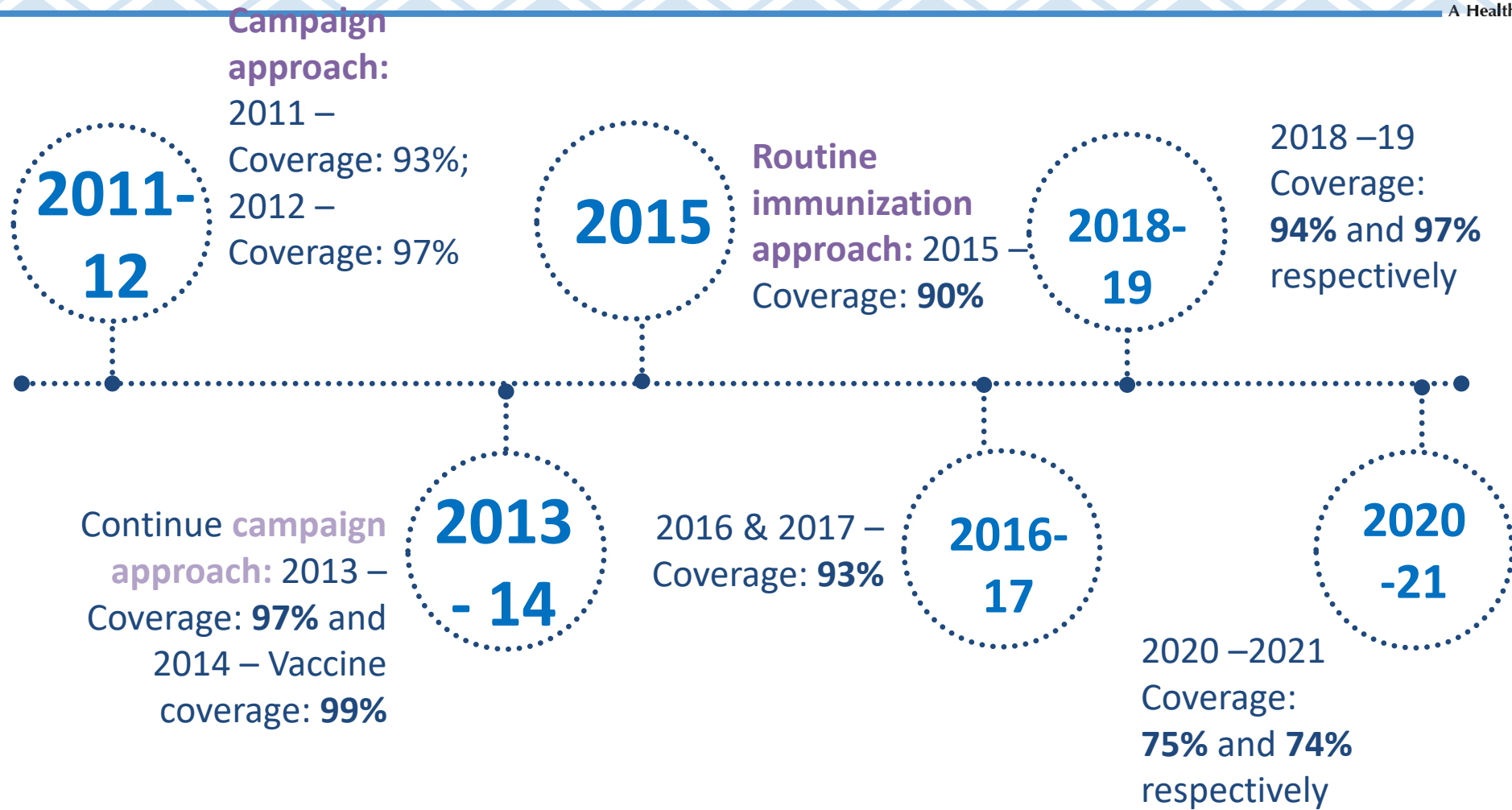
Immunization individual record (Con't)



VI. HPV denominator & vaccine delivery strategies

- School based approach to deliver HPV vaccine
 - ✓ 2011-2014: Vaccination targeting grades
 - ✓ 2015 to date: vaccination targeting single age group (12 year girls)
- HCs enroll targeted girls to be vaccinated prior the vaccines supply from CL to DHs (**Denominator at HC**)
- Out of school girls or girls who miss doses in school, they are vaccinated in health facilities
- **2015:** HPV Vaccine forecasting: done every year based on RPH Census 2012: Population projection (Girls 12 age)
- A 2020 publication indicated that over 1.1 million girls received the first dose of HPV vaccine from 2011-2018, corresponding to 98% of the eligible target (Sayinzoga, Umulisa, et al. 2020)

VI. RWANDA HPV VACCINE INTRODUCTION TIMELINE AND ACHIEVED COVERAGE



VII. DATA MANAGEMENT

- Standard Operating Procedures for Management of Routine Health Information for HC and DH
- RHMIS Documentation: The Data Collection, Reporting, and Management System
- Data Validation and Verification Procedure Manual
- DQA (Recounting from the register vs reported)

VIII. Implementation of HPV Vaccination

- Community engagement
- Perspectives of different stakeholders
 - ✓ Adolescents' perspectives
 - ✓ Teachers' perspectives
 - ✓ Parents' Perspectives
 - ✓ Nurses' Perspectives
 - ✓ Community Health Care Workers' Perspective
- Partnerships and Collaboration
 - ✓ Strong collaboration with partners
 - ✓ Strong interdepartmental collaboration
 - ✓ Strong coordination between the EPI unit at the national level, District Hospitals, Health Centers, teachers, and CHWs
 - ✓ Involvement of local leaders for community mobilization
 - ✓ Strong partnership and communication support from RHCC and Urunana DC
 - ✓ Involvement of CHWs and community members at all stages

- Leadership from the highest level- **First Lady at vaccine launch**, Ministerial level commitment
- **GAVI** committed to support HPV vaccine beyond the first three years
- **Use of data from Rwandan cancer registry** from a local tertiary care hospital **supported decision-making**
- Use of global evidence of **vaccine efficacy and cost-effectiveness** convinced decision-makers
- **Cold chain capacity updated** to support several new vaccine introductions
- Strong collaboration and support from partners through the **TWG** headed by MCCH

- Commitment: Government leadership
- Collaboration: Ministry of Health, finance, education, Gender and Family Promotion and Imbuto foundation
- Ownership of the program by health facilities/local leaders and full involvement of the leaders in charge of education
- Increase the awareness of the beneficiaries
- Need of further building a resilient vaccination programme (experience of Covid-19 pandemic and changes in school calendar)
- Integration in routine immunization
- Coordinated Health systems

THANK YOU

