

SRS as a strategy for immediate and long-term availability of representative mortality data

Celso Monjane
National Institute of Health
Mozambique

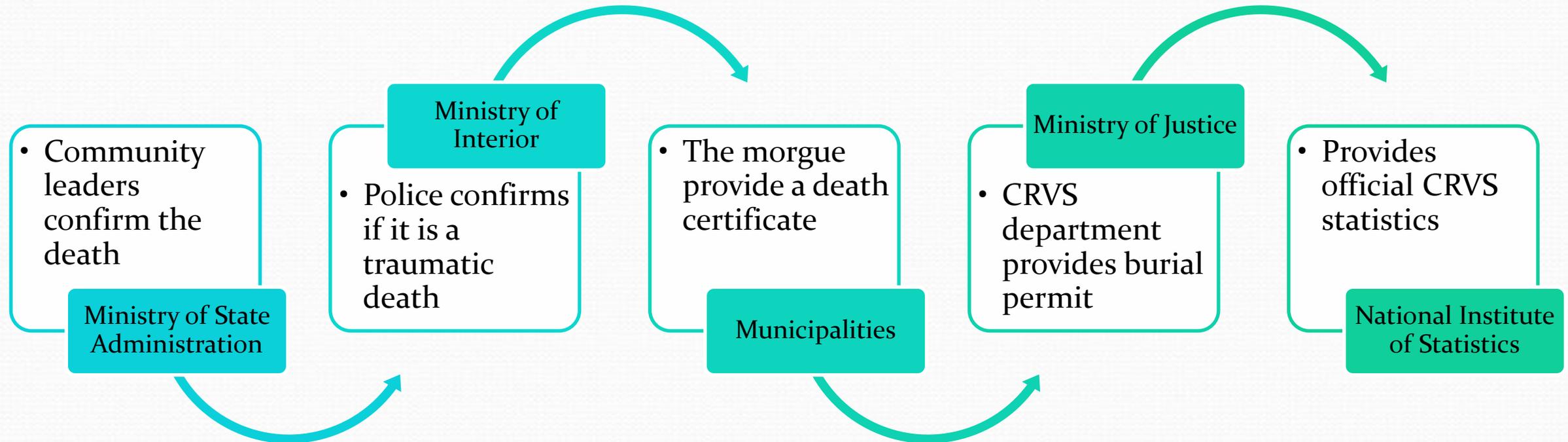


Mozambique

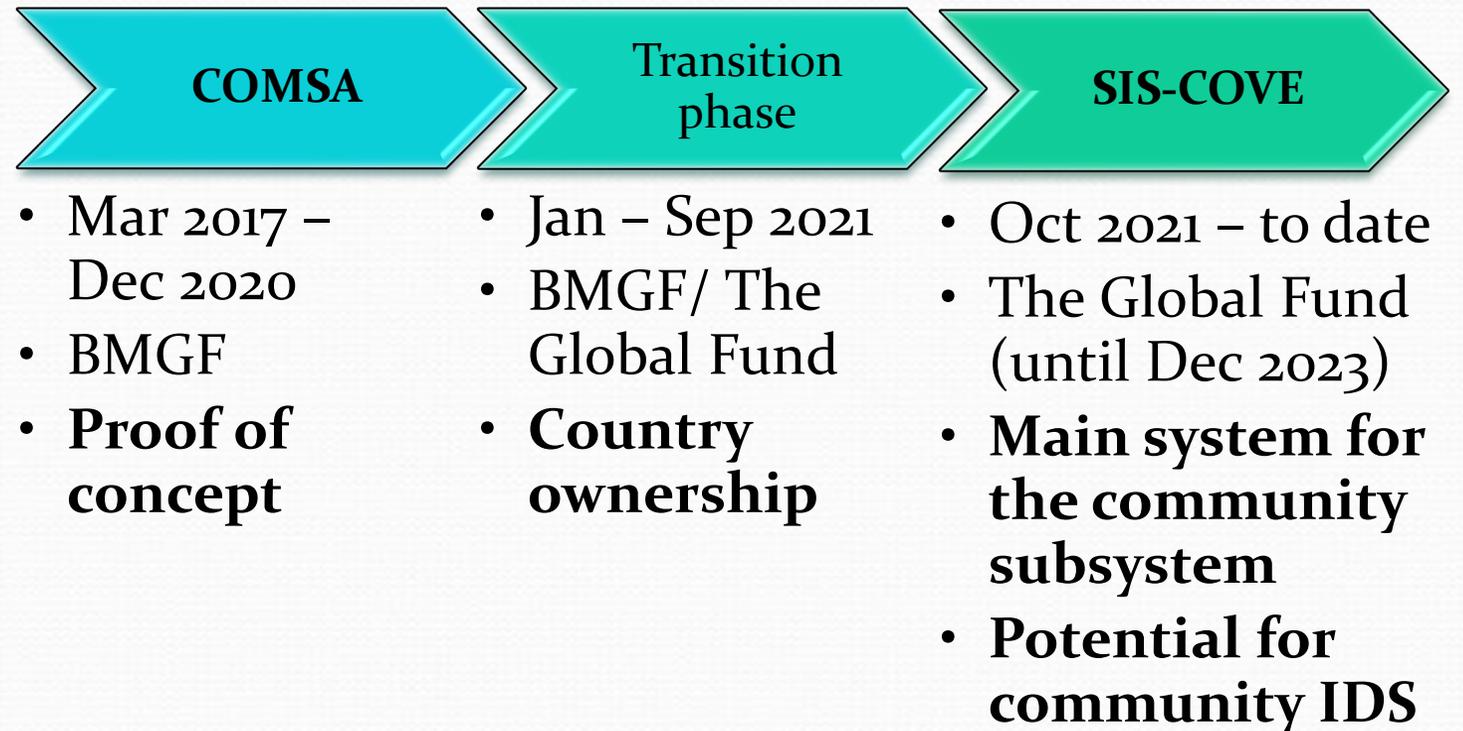
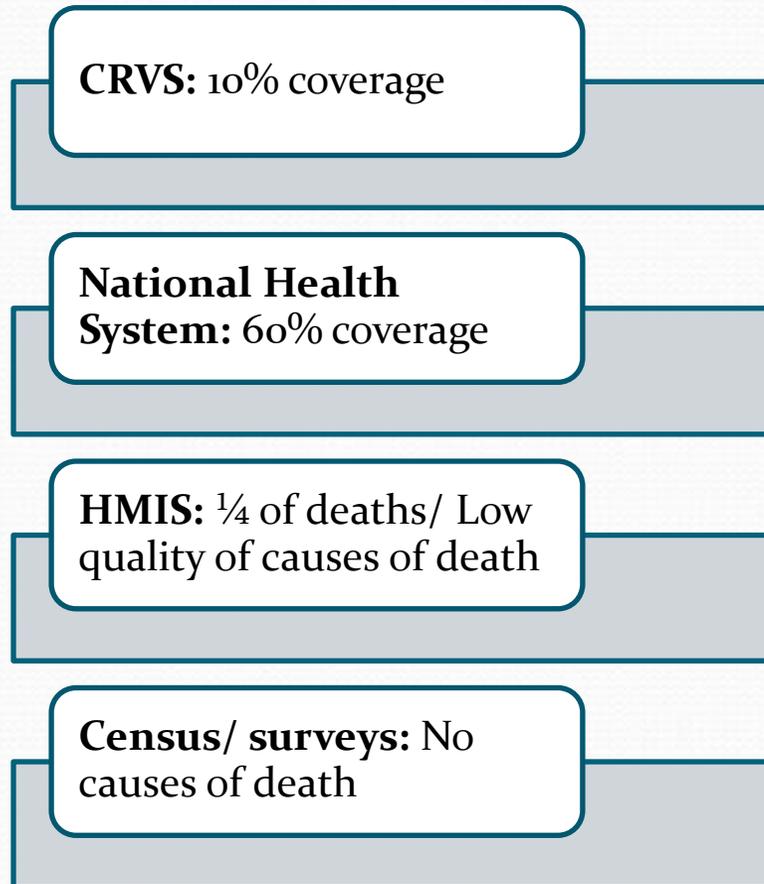
- **Population: 31.6 million (65.5% in rural areas)**
- **Life expectancy: 55.7 years old**
- **HIV prevalence: 12.4% (2021)**
- **Infectious diseases as main causes of morbidity and mortality with NCDs and trauma increasing – triple burden of diseases**
- **Reached MDG 4:** U5MR declined by 70% from 248 to 75 between 1990 and 2015
- **Committed to the SDGs with goal 3.2** aiming at reducing U5MR to at least 25 and NMR to at least 12



Community deaths: pathway to civil registration in Mozambique



Strategy for immediate and long-term availability of CR and causes of death data in Mozambique



SIS-COVE: A platform with potential for implementing additional research

SIS-COVE

- Link to CRVS to improve community births and deaths registration
- Link with DHIS-2 to ensure data access for users
- Monitoring of health emergencies;
- Disease Surveillance and Social Determinants (event-based);
- Management of rumors and misinformation;



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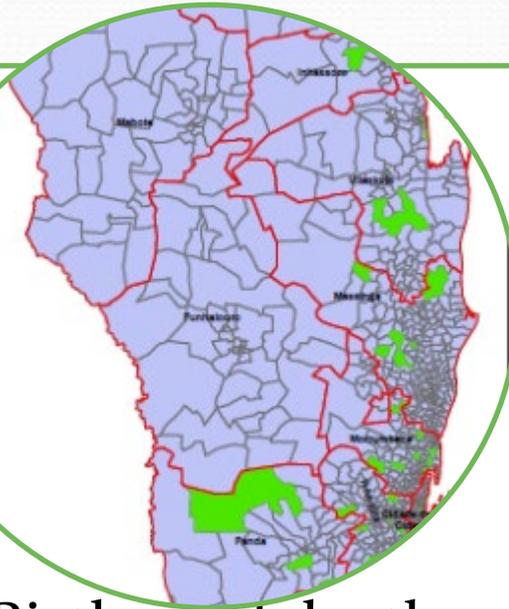
Rapid Mortality Mobile Phone Surveys (RAMMPS)

Rapid Mortality Mobile Phone Surveys (RAMMPS) is a tool for monitoring and responding to outbreaks and other public health emergencies. The RAMMPS consortium is developing and implementing an innovative mobile phone-based system to monitor and respond to outbreaks and other public health emergencies. The system is designed to be user-friendly and easy to use, and is being implemented in several countries.

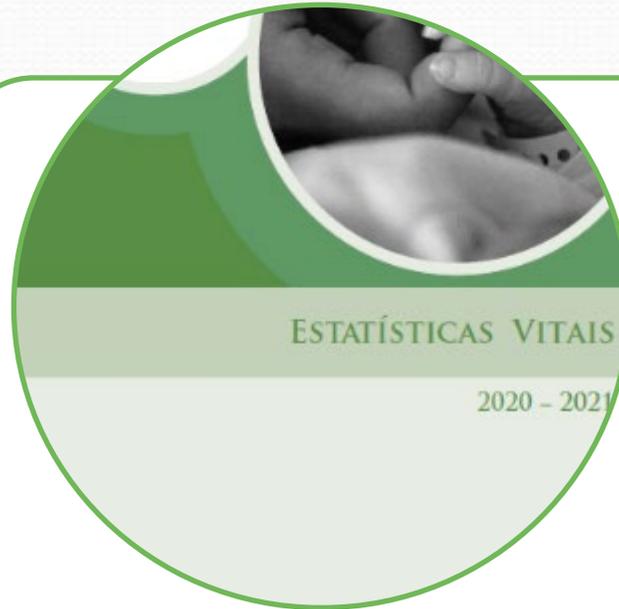
OVERVIEW

Message | Register | Login | Logout

Improving CRVS coverage and access to mortality data at the sub-national level through SIS-COVE



Births and deaths registration through SIS-COVE community workers (pilot in Inhambane Province)



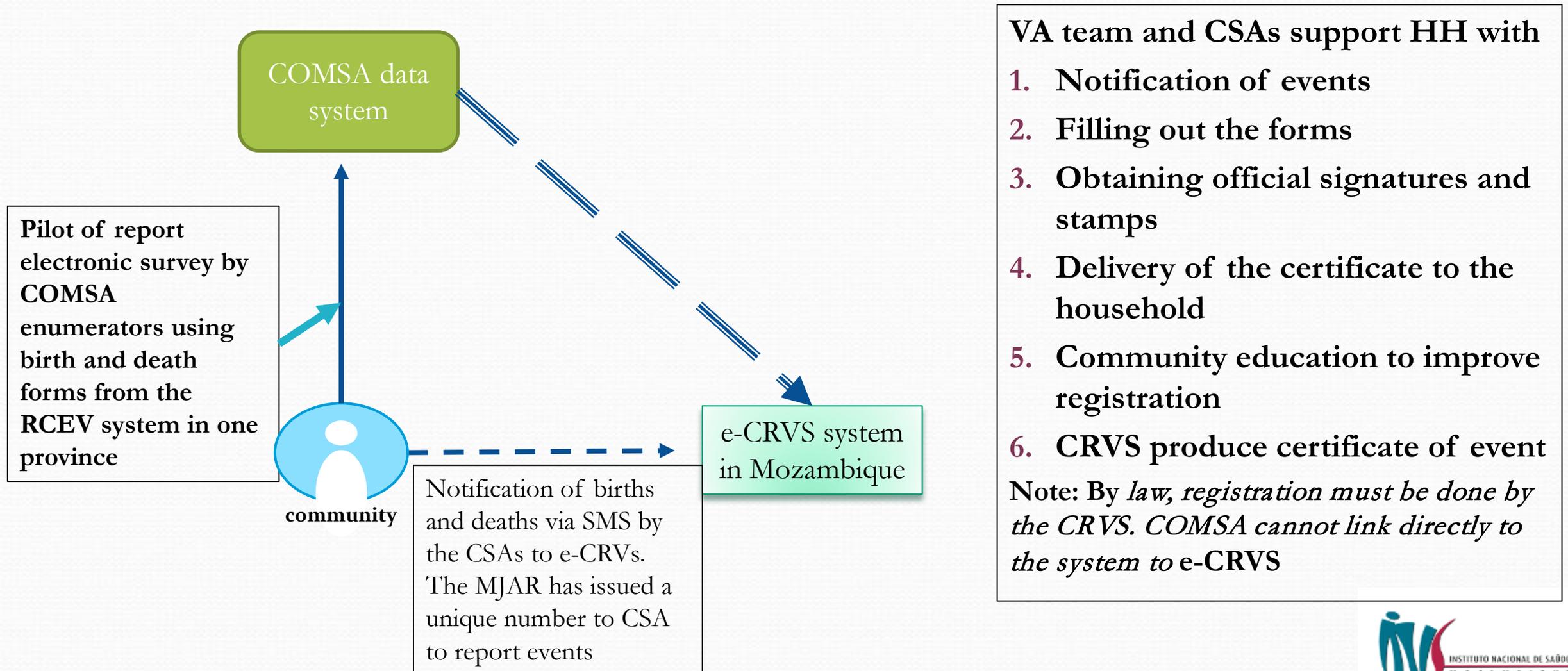
Feeding e-CRVS and vital statistics reports



Access to mortality data at district and provincial level through dHIS-2 (SIS-MA)

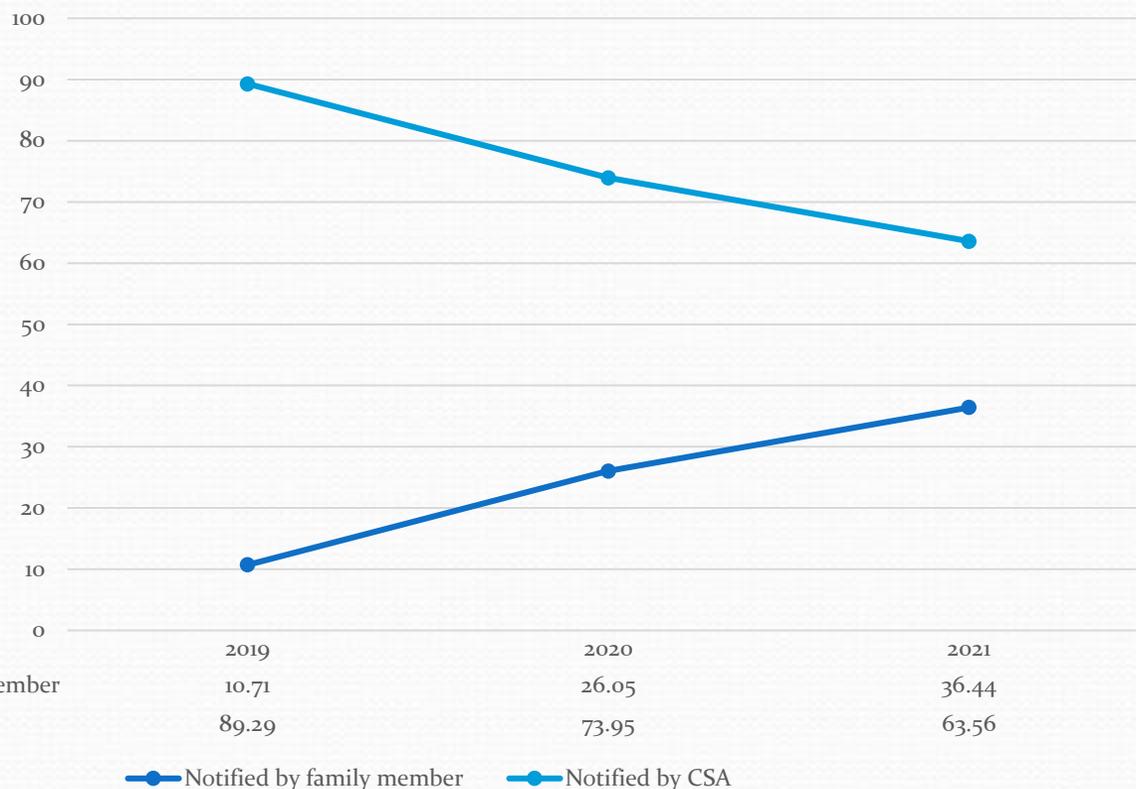


CRVS Pilot in one of province



Registration of births by family members has increased significantly in Inhambane

Birth registration in Inhambane



Total:
Notified by CSA: 73.3%
Notified by family member :26.7%

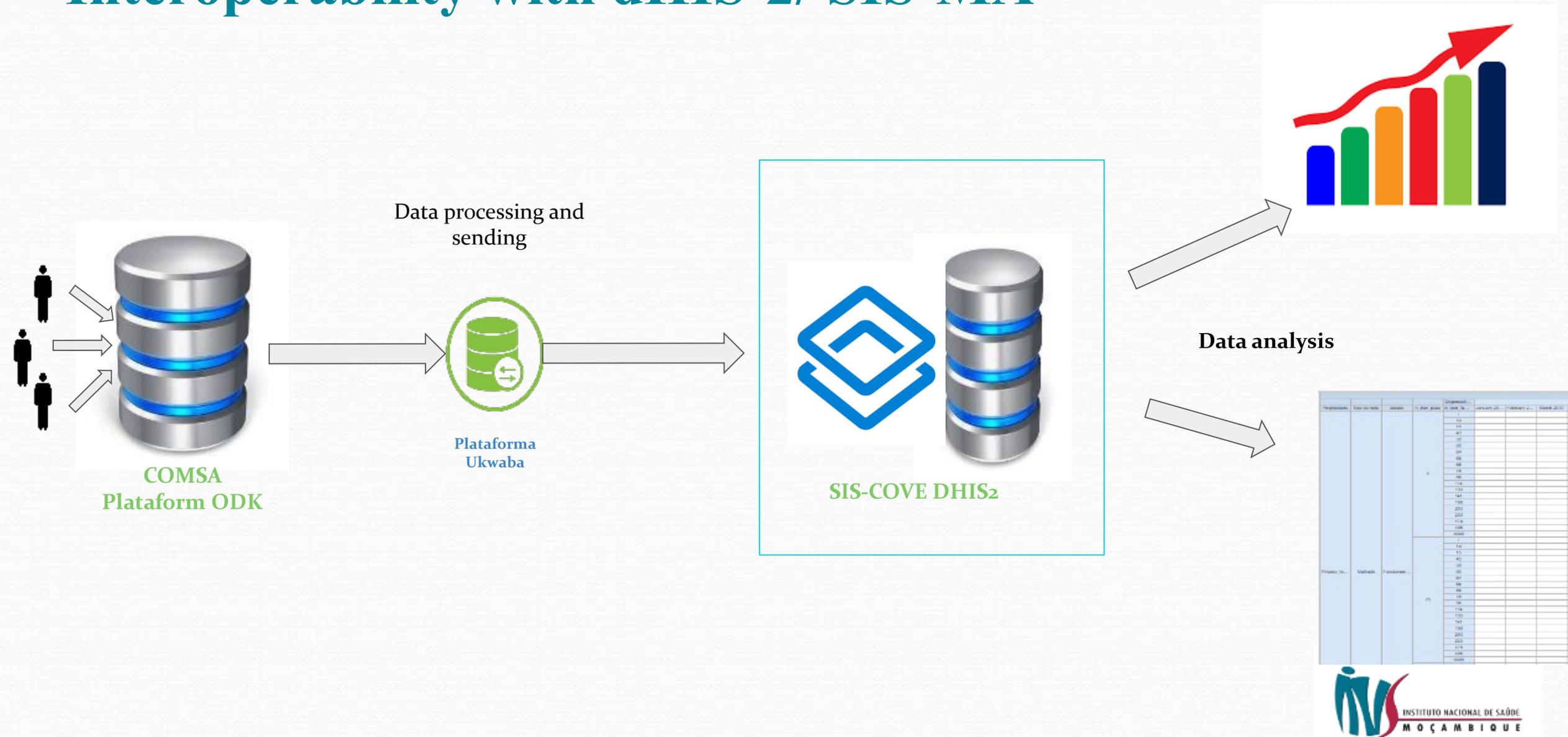
The proportion of birth registrations has been inactively increasing

Interoperability between COMSA/SIS-COVE and CRVS



- SIS-COVE officially started feeding CRVS, supporting civil registration in one province
- next step fundraising to increase the coverage including all remaining provinces

Interoperability with dHIS-2/ SIS-MA



Dashboards

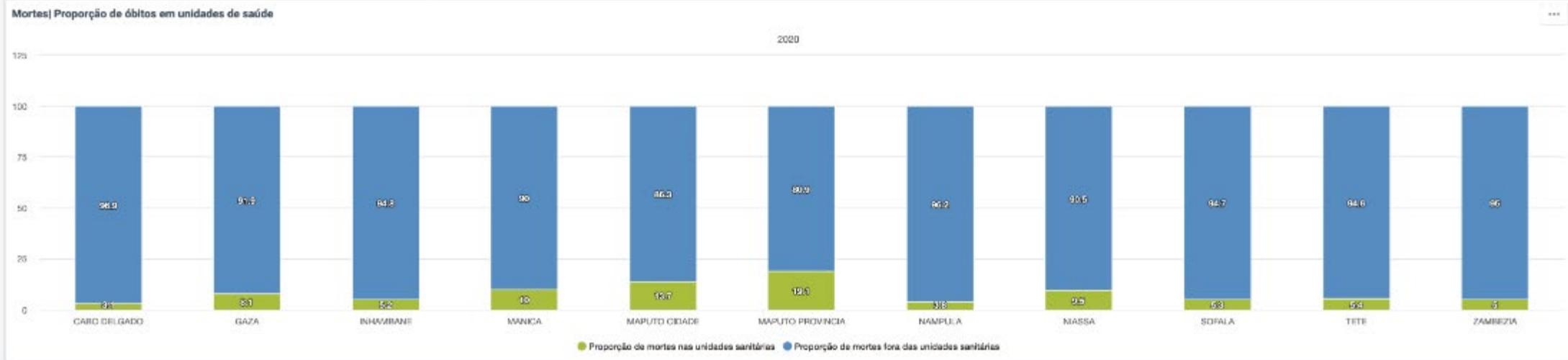
3. Resumo de Mortalidade

Editar Partilha Adicionar filtros

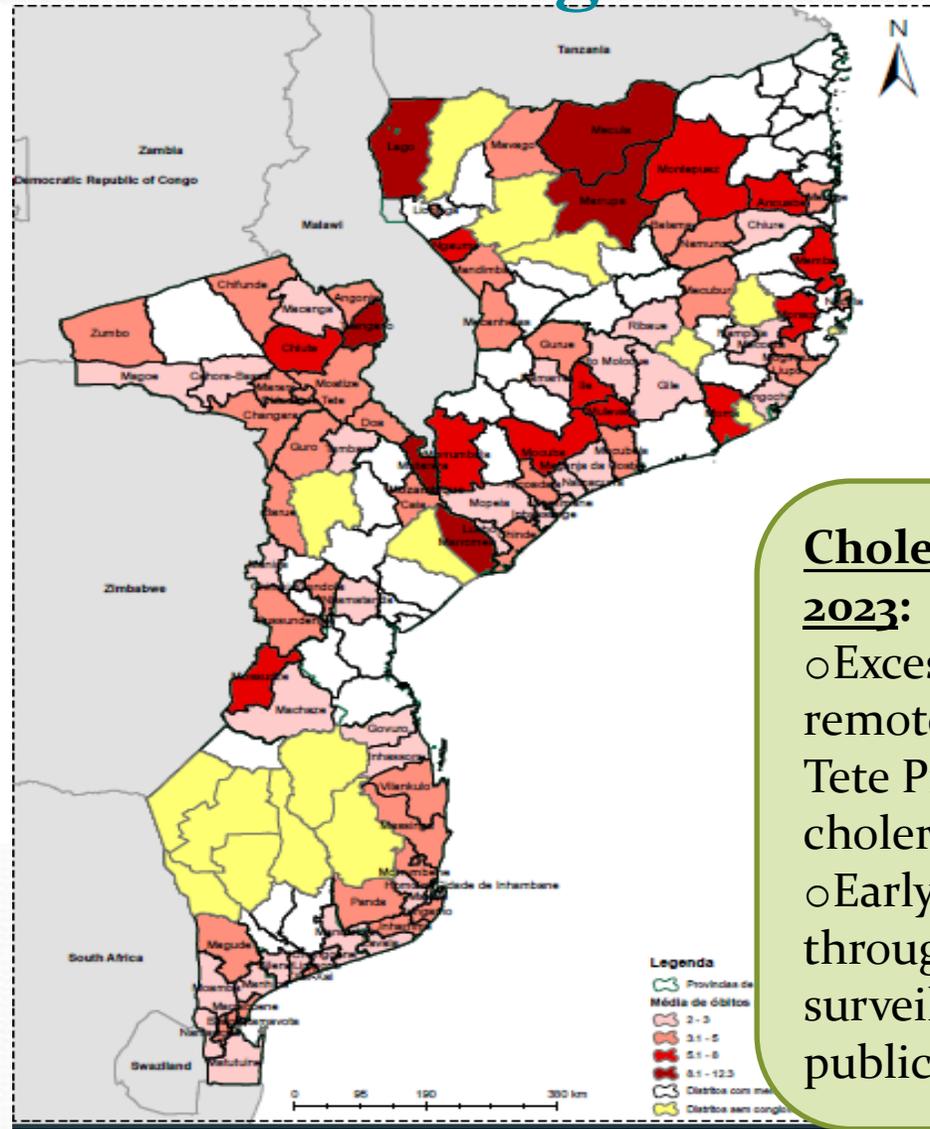
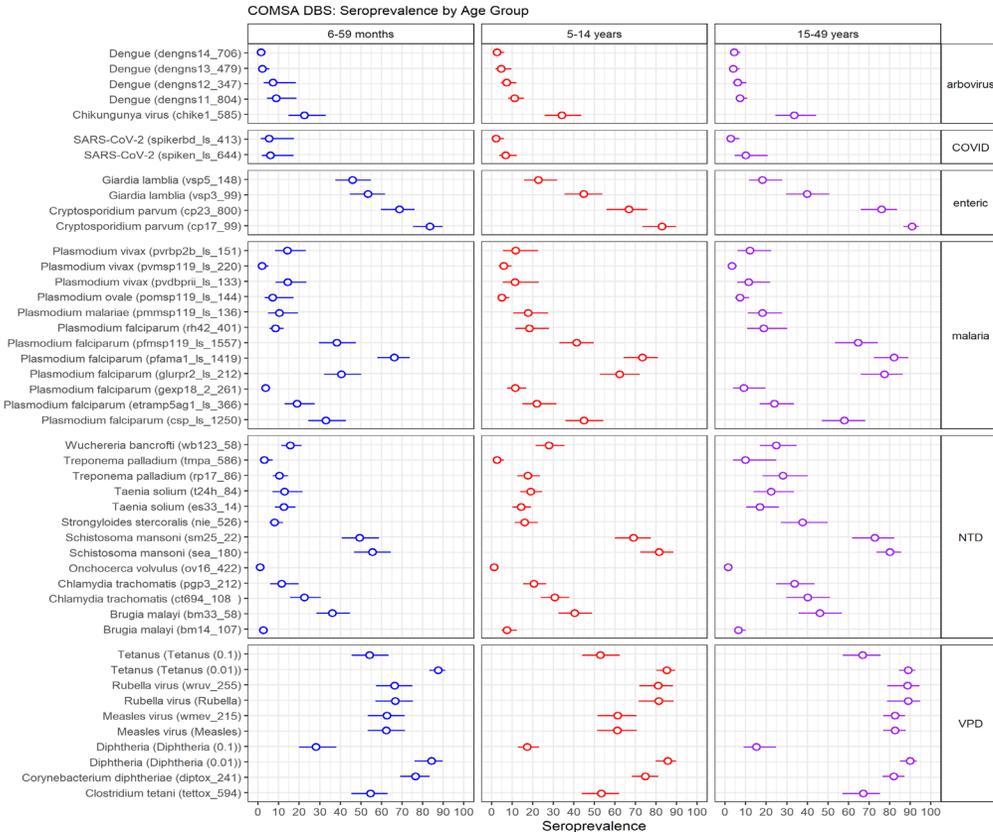


Número total de óbitos por grupos etários por Província

	2020				
	Número Total de óbitos [0-27 dias]	Número Total de óbitos [1-59 meses]	Número Total de óbitos [5-14 anos]	Número Total de óbitos [adultos 15-49 anos]	Número Total de óbitos [adultos 50+ anos]
CABO DELGADO	31	63	19	95	121
GAZA	9	28	9	50	110
INHAMBANE	12	11	5	45	149
MANICA	52	84	21	113	114
MAPUTO CIDADE	7	7	1	41	97
MAPUTO PROVINCIA	5	10	3	45	80
NAMPULA	6	52	14	57	41
NIASSA	12	28	3	38	44
SOFALA	19	22	4	30	41
TETE	35	88	20	66	126
ZAMBEZIA	48	138	29	151	153



Leveraging SIS-COVE to improve community-based disease surveillance and outbreak investigation



Cholera outbreak in 2023:

- Excess mortality in a remote community in Tete Province due to cholera
- Early warning system through mortality surveillance to detect public health treats

VPD Seroprevalence in Zambezia:

- Diphtheria: 87.2% (95%CI 84.3-89.6)
- Tetanus: 86.9 (95%CI 83.6-89.6)
- Rubella: 83.0% (95%CI 78.3-86.8)
- Measles: 69.1% (95%CI 63.3-74.4)

Key actors for RMS in Mozambique

National Institute of Health

- Main Implementer of the System
- Interaction with the multiple stakeholders
- Through the NHO, triangulate and integrate data from different sources for dissemination and use

Minister of Health

- Community surveillance agents
- Monitoring and evaluation system (HMIS/DHIS-2)
- Hospital data on causes of death

National Institute of statistics

- Sampling and cartography
- Generate vital statistics

Minister of Justice

- CRVS Management

Involvement of key stakeholders

- TWG for the implementation of an integrated strategy in the mortality registration is required;
- Identify all small groups collecting data and invite to TWG;
- Advocate at the political level of all institutions involved to support death registration systems;
- Continue to expand surveillance areas to improve coverage.

Key notes

- COMSA/SIS-COVE is a good example of SRS for resource-poor countries and is generating results on mortality and causes of death
- CRVS System is the perfect model for deaths registration but in Mozambique it still far from optimal coverage
- COMSA Supports Civil registration through community health agents and verbal autopsy team;
- More recent experiences have awakened the use of the platform as an Early Warning system for health events.
- Stakeholder engagement is essential for advocacy on mortality data registration

COMSA (2019 and 2020) reports are now available!!



<https://comsamozambique.org/>



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World Health
Organization

Obrigado!



COMSA has a digitized sample and data collection

1. Random selection of 700 clusters
2. Representative at national and provincial levels
3. Large cluster (~300, households)
4. Surveillance of total population of each cluster
5. 180,000 households
6. 800,000 population

