

Science – Leadership – Community

During COVID-19 preparedness and response in Rwanda

Dr Sabin Nsanzimana
Director General
University Teaching Hospital of Butare, Rwanda

Strategic Pillars and health security agenda



Components of outbreak preparedness and management



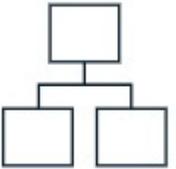
Public health early warning systems

- Identify priority diseases that will be tracked
- Define data threshold to trigger and alert



Ability to get better data

- Good IT infrastructure with good visualization of data
- Integrates real time data and insights of geographical variabilities



Ensure coordinated response and

- Mapping of different stakeholders
- Develop regular meetings to share updates



Escalate with practice protocol

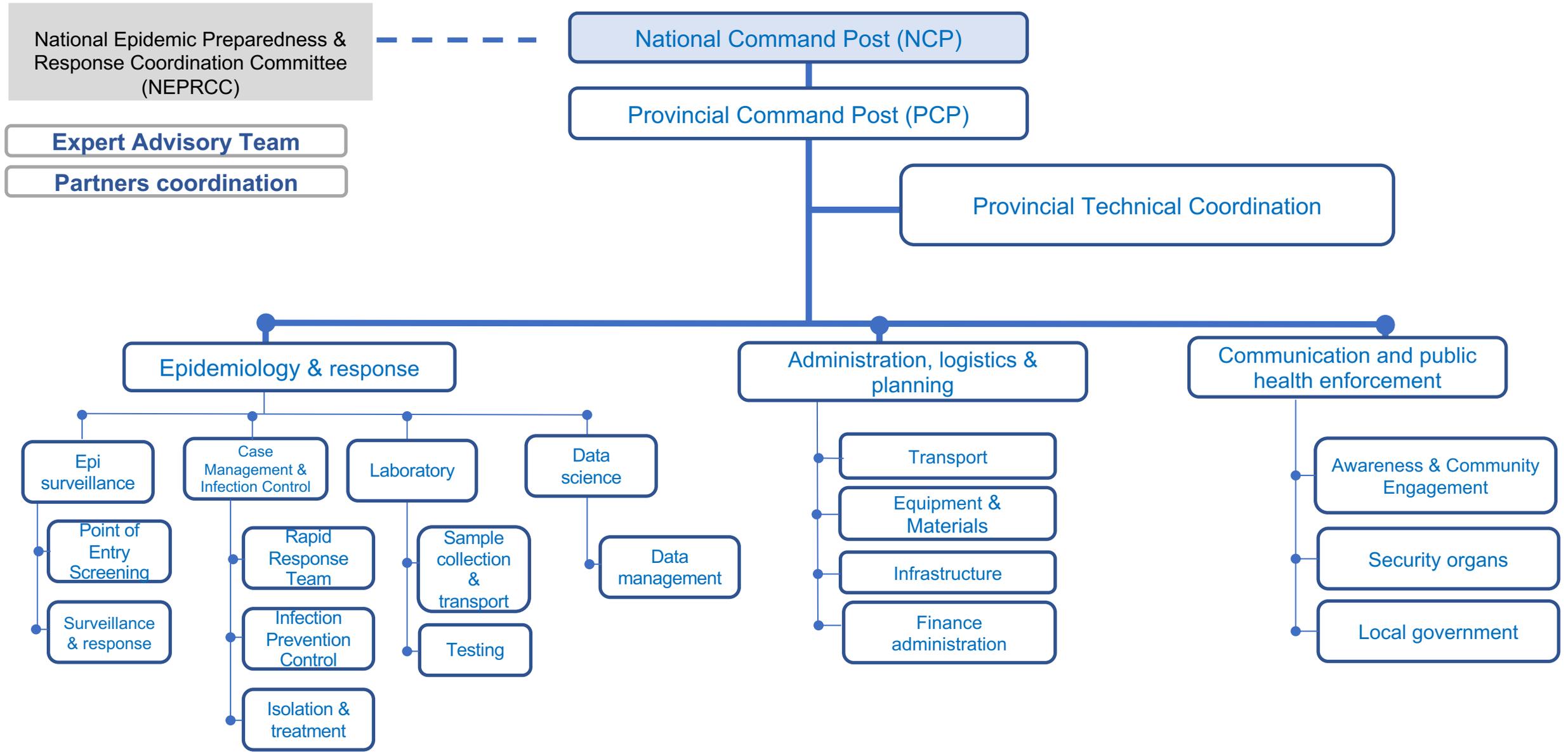
- Develop set of protocols to activate interventions
- Liaise with other stakeholders for interventions



Continuous capacity building

- Strengthen capacity through simulation and table top exercises

COVID-19 Coordination Structure (Decentralized and Integrated)



Leadership

Trust

Science

Community



Science Leadership Community

Decisions



Evidence based



For community wellness



Trust



Rwanda Scientific Advisory Group (SAG) Established in February 2020

Meeting every Friday 3-5 pm

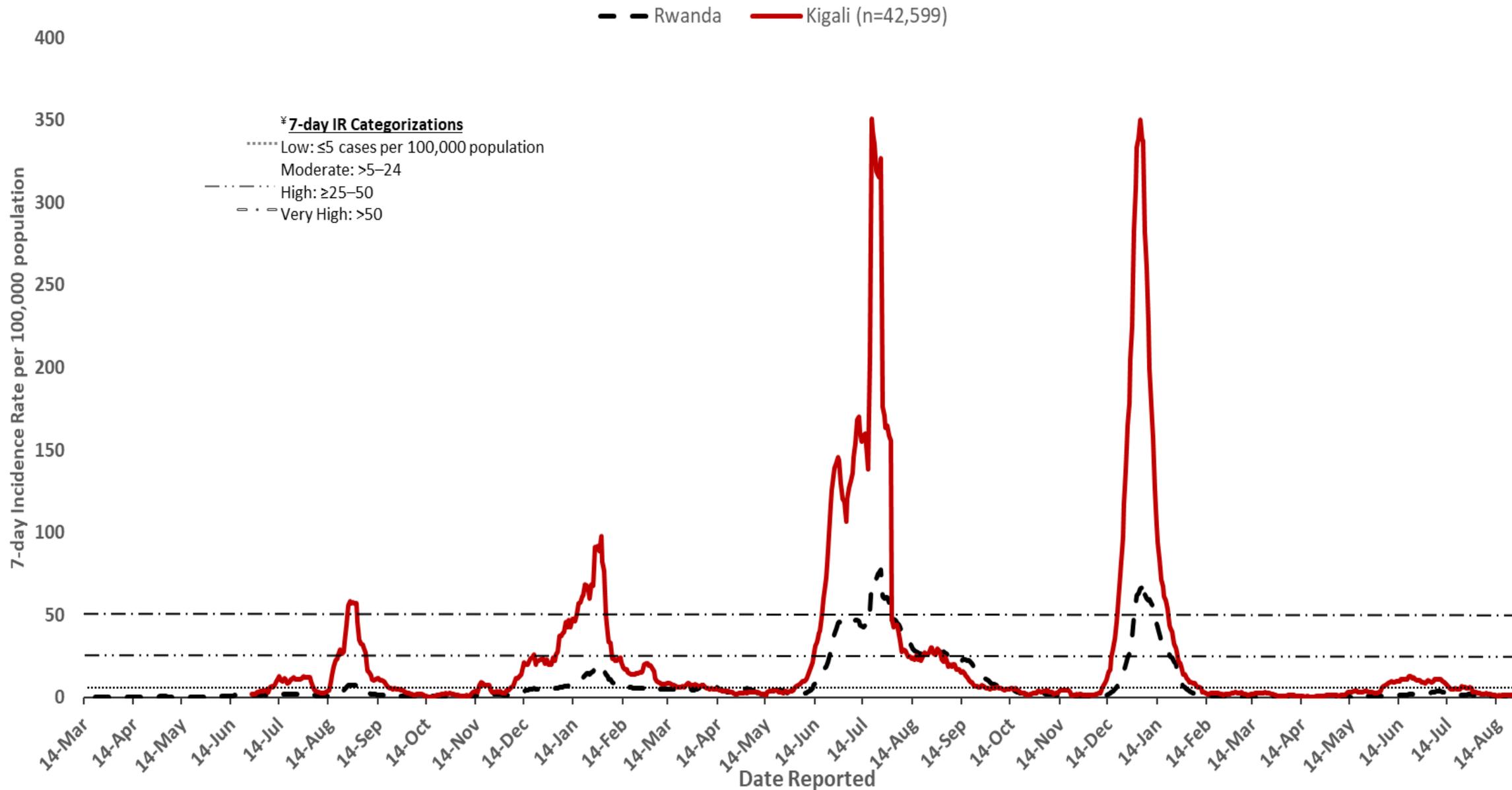
Feb, 2020



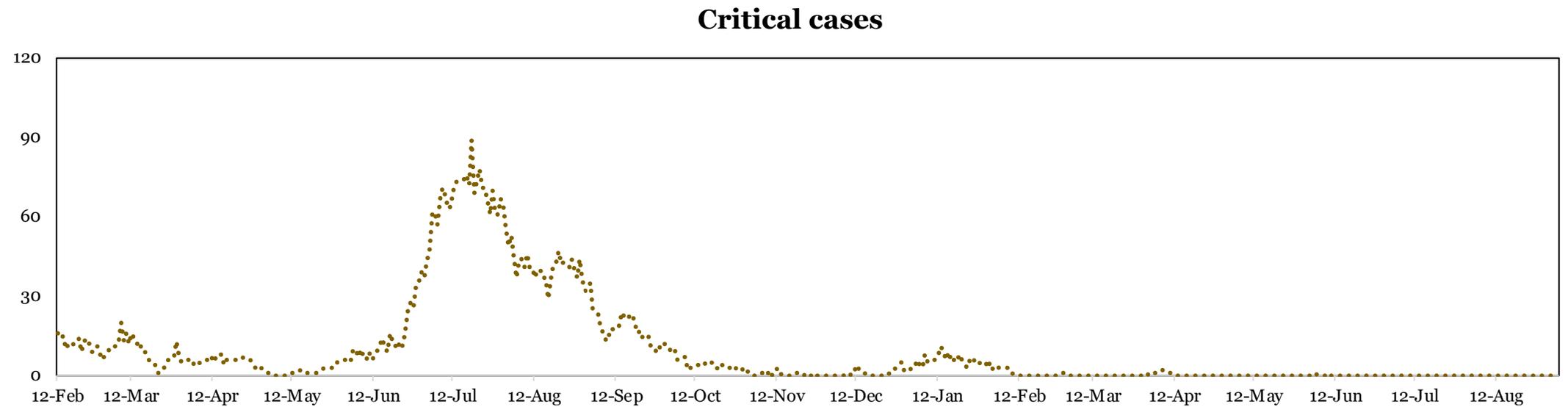
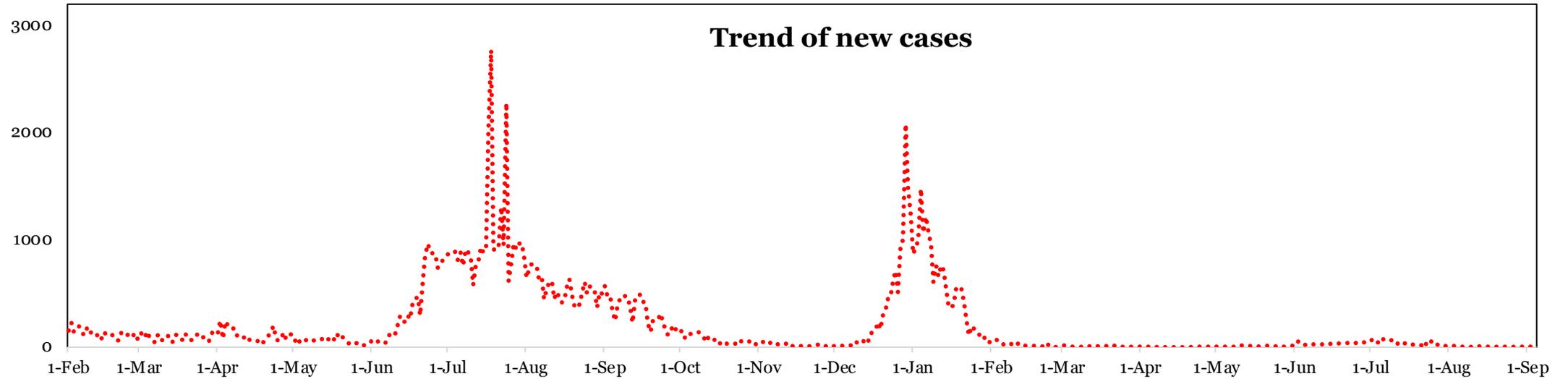
June 2020

We don't start **building trust** in the
middle of the pandemic

COVID-19 Incidence Rate (IR) in Kigali City and Rwanda, March 14, 2020–September 04, 2022



Trend of new cases vs critical cases



Challenges and lessons learned from COVID19

- Need to leverage existing structures
- Adapt response based on specific challenges
- Rigorous use of data and technologies to guide decisions
- Strengthen decentralized structures to ensure comprehensive response at all levels
- Strengthen health systems as we control pandemics

Lessons Learnt : Investing in a resilient health system



Oxygen production capacity increased 3 times



Ongoing efforts for local **vaccine** production

Partnership – Leadership-- Science



Ground breaking of the mRNA manufacturing facility in Kigali.

Thank You