Country case study framework suggestion

1. Overview of the healthcare system & progress toward UHC

* General description of national healthcare system (i.e. financing mechanism (funding, pooling, etc), provider scheme (i.e. private vs. government))
* Progress towards UHC (brief history)
* Main health challenges (i.e. COD, most vulnerable population, policy highlight, etc)

2. Infectious disease surveillance & response capacity before COVID-19

* National key surveillance strategies & top priority diseases
* Performance review (either based on literatures, IHR JEE or relevant score, etc)
* Example of previous major outbreak & how they prepared, detected, and responded to it + Lessons learned from this (what worked, didn’t worked)

3. Pandemic preparedness

* Legislation & financing
* National/international coordination (international coordination could be how collaborative they are in terms of IHR regular report submission, IHR disease notification, participation etc)
* National emergency network
* Laboratory capacity
* Zoonotic-human sector collaboration
* Some useful indicators could be found form
  + IHR JEE : <https://www.who.int/ihr/procedures/mission-reports/en/>
  + IHR scores and other relevant indexes : https://www.who.int/data/gho/data/themes/international-health-regulations-(2005)-monitoring-framework

4. COVID-19 response

* Detection of the first N cases
  + Timing of the first case (i.e. first country in the region, etc)
  + Detection mechanism, timeliness, case confirmation process
  + Initial responses taken (i.e. contact tracing, isolation, active case finding)
* Early set-up of national response strategies (with all elements having focus on timeliness, speed/smoothness of rollout, coverage by national/existing insurance scheme)
  + Strategies implemented to stop the transmission (mask mandate, lock-down and social distancing, etc)
  + Testing strategy
  + Procurement of goods (PPE, masks, test kits, ECMO, etc)
  + Healthcare resource re-mobilization (i.e. designated COVID-19 treatment centers, ICU beds)
  + Surveillance strategy (i.e. integration into IDSR, influenza surveillance, etc)
  + R&D activities
  + Vaccine rollout (if applicable)
  + Travel-related restriction/policies (closing of border, mandatory quarantine, mandatory test, etc)
* Current status of the national health system (a year after the beginning of the pandemic)
  + How they’re planning the post-pandemic era
  + Degree of health system disruption/recovery