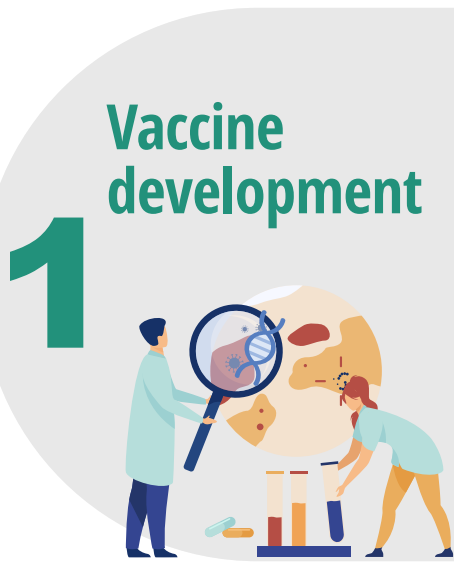
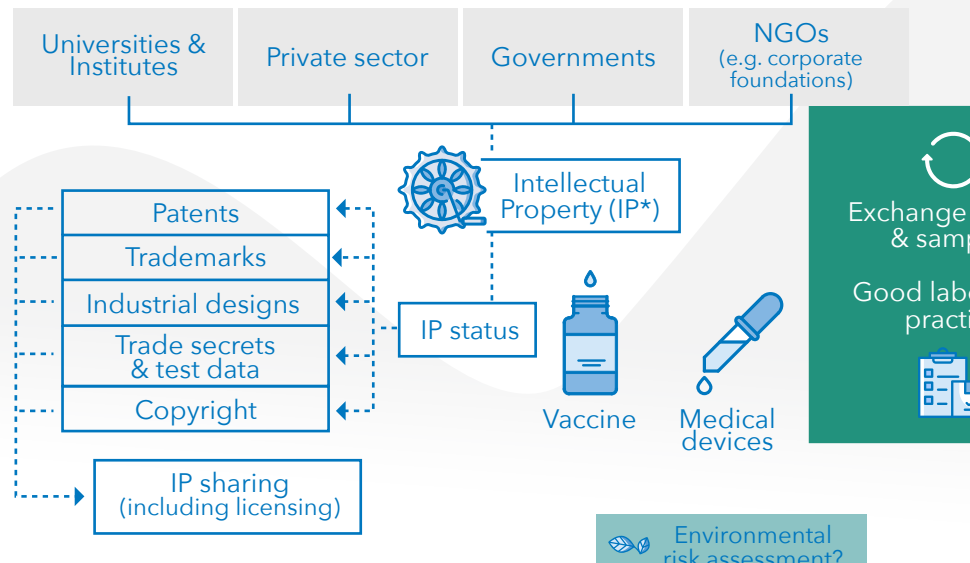
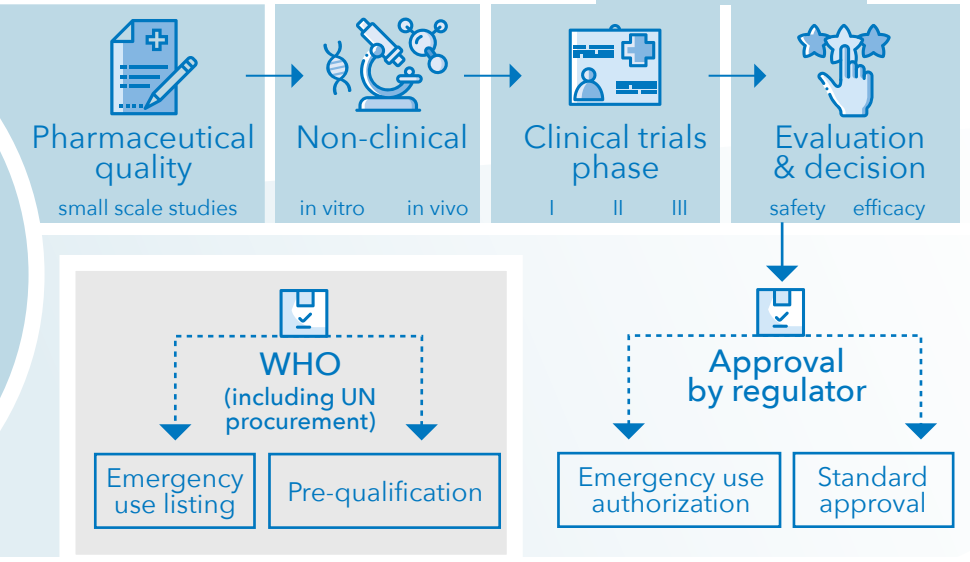


DEVELOPING & DELIVERING COVID-19 VACCINES AROUND THE WORLD

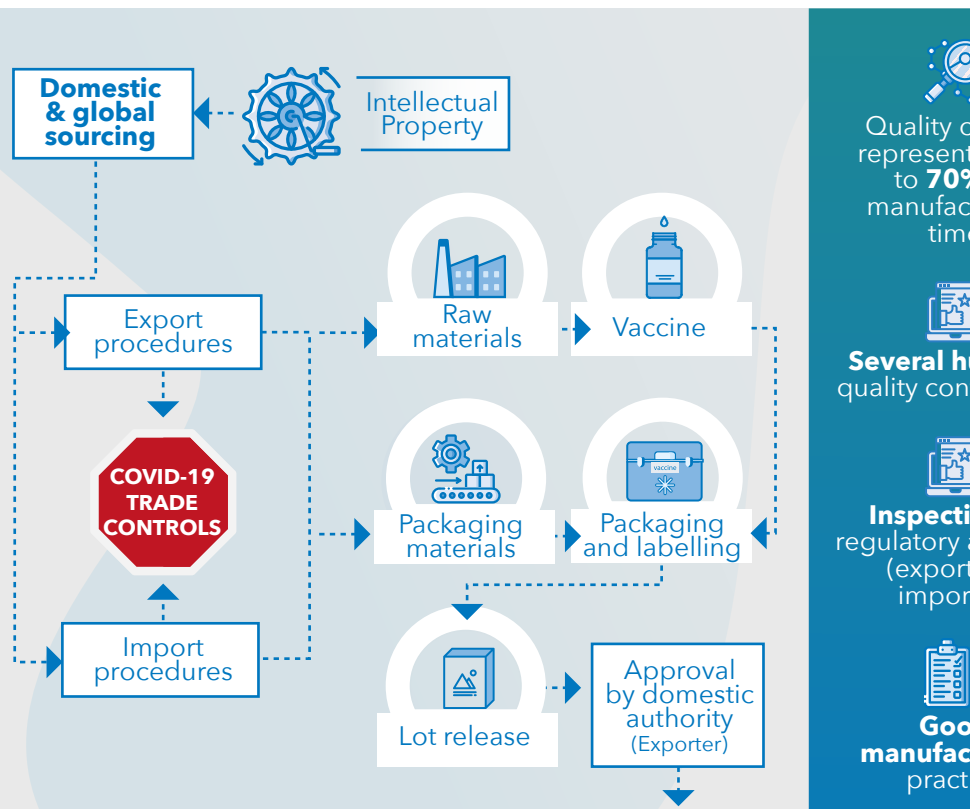
1 Vaccine development

2 Domestic approval (Manufacture)

3 Vaccine manufacture

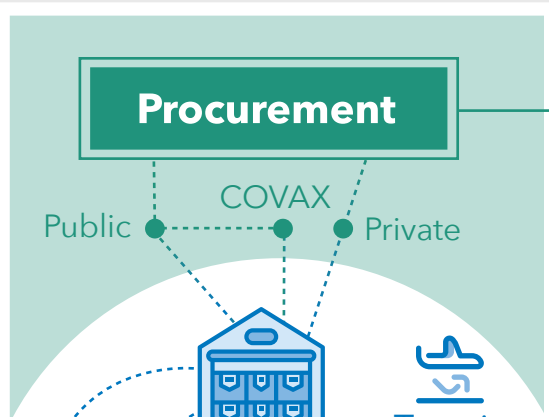
QUALITY ASSURANCE

4 Domestic approval (Importer)

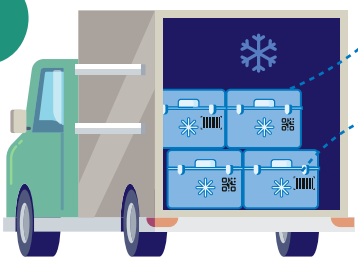


Domestic approval (repeat step 2) OR Use step 2 approval (WHO or foreign regulator)

- APPROVED** ✓
- Approved by regulator
- Approval of manufacture facility
- Approved for market (labelling, packaging)



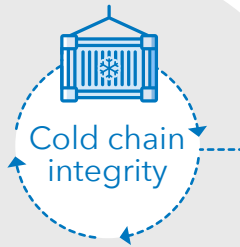
5 International distribution



A vaccine typically travels through several different sites before being ready for shipment

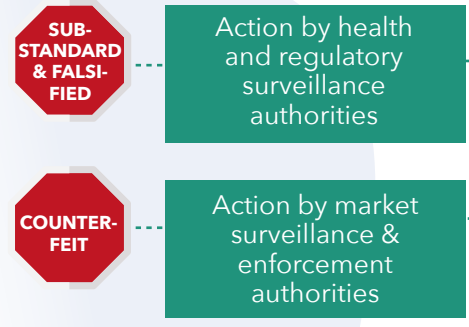
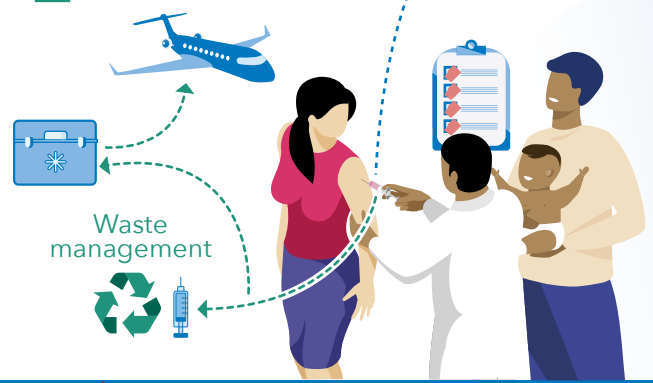
Good distribution practice

6 Border clearance



Metrology

7 Domestic distribution & surveillance



Testing

TRANSPARENCY ESSENTIAL AT EVERY STEP

Source: WTO, based on EMEA, IEPMA. For clarity of presentation, the different steps in the vaccine value chain are presented sequentially. To expedite access, in practice, different steps are being undertaken in parallel. *IP may be generated at multiple steps in the vaccine trade value chain.