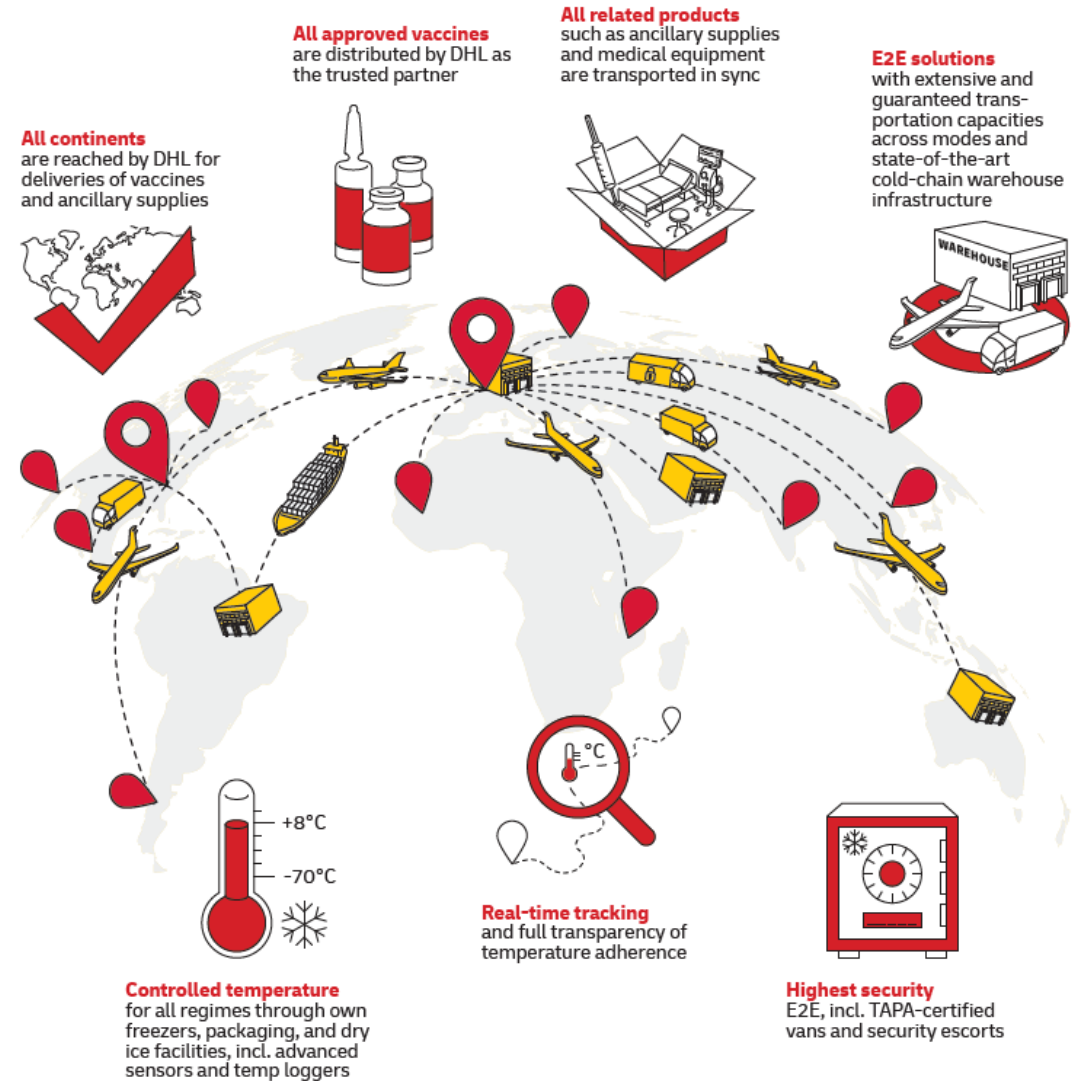


Global vaccine distribution direct-to-dosing site



- Vaccine distribution has included the traditional methods of local cross-docking and warehousing as well as **an additional archetype, “direct to dosage,” which has not been applied at scale for vaccines until now.**
- Direct-to-dosage shipping model** developed in collaboration with Pfizer/BioNTech.
- Utilizing cooling boxes, which get **shipped directly to the final location,** reduces the number of handling steps in the supply chain.
- Mobile ultralow temperature freezers deployed to **maintain temperature requirements** even in regions where permanent low-temperature freezers may not be available.



DHL's contribution to COVID-19 vaccine distribution		
>2 billion doses of all approved vaccines distributed internationally	>120 countries served throughout pandemic course	>9,000 flights made to deliver vaccines
>350 DHL facilities involved in the process	<1% of total vaccination cost incurred by logistics	>10 new services introduced