

Acquired immunity

Passive immunity		Active immunity	
Naturally	Artificially	Naturally	Artificially
1- transplacental transfer 2- colostrum & breast milk * examples, antibodies against: ~ measles ~ rubella ~ tetanus	1- injection of exogenous antibodies * examples: ~ IVIG ~ antibodies against rabies	1- infection	1- vaccines

Type of the vaccine	Examples
Live attenuated	~ measles ~ rotavirus ~ mumps ~ yellow fever ~ rubella ~ BCG ~ varicella ~ OPV
Non-living (whole pathogen)	~ IPV ~ whole-cell pertussis ~ rabies ~ hepatitis A
Non-living (subunit)	~ tetanus toxoid ~ seasonal influenza ~ acellular pertussis ~ pneumococcal polysaccharide ~ hepatitis B ~ malaria
Non-living (toxoid)	~ tetanus ~ diphtheria
Non-living (polysaccharide-conjugative)	~ pneumococcal conjugative
Reassortant	~ rotavirus
mRNA	~ covid-19