

Vaccine safety by type Generally, all vaccines except live vaccines can be safely administered to pregnant women. Good examples are vaccines for attenuated oral polio and yellow fever. Mechanisms of maternal vaccination induced fetal and neonatal immune protection Maternal vaccination generates both humoral and cell-mediated immune responses in the mother, protecting against infections, thereby reducing the risk of vertical transmission to the fetus. Immunoglobulin G (IgG) antibodies formed by the mother and transferred to the fetus via placental circulation (Fig. Live vaccines, on the other hand, are administered very selectively when there is imminent and substantial risk of increased morbidity and mortality. 2B). [2]