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| --- | --- | --- | --- | --- | --- | --- |
| **Vaccine**  | **Type**  | **Route of administration**  | **Age** **Vaccinations**  | **Side effects**  | **Contraindications**  | **Notes**  |
| **BCG**  | Live attenuated  | Intra-dermal  | 1 month  | Local lesion, abscess , scar , osteitis  | Immunosuppression, Tuberculin +ve people | Decrease risk of miliary TB and TB meningitis  |
| **Dtp**  | Inactivated/ Fractional (Toxoid) | IM  | 2 , 3 , 4 , 18 months  | Seizure , fever | Encephalopathy within 7 days of the previous dose | Pertusis is Inactivated/ whole cell  |
| **Polio**  | **IPV** **(salk)** | Inactivated/whole cell | IM  | 2 , 3 , 4 months |  |  | Prevent infantile paralysis |
| **OPV** **(sabin)** | Live attenuated | Oral  | 3 , 4 , 9 , 18 months and 6 years | Vaccine associated paralytic polio | Immunocompromised  |
| **Hemophilus B**  | Inactivated/Fractional (conjugated) | IM  | 2 , 3 , 4 months |  |  | Protect against meningitis , used in pt with splenectomy |
| **Hepatitis B**  | Inactivated/ Fractional (Recombinant) | IM  | 2 , 3 , 4 months |  |  |  |
| **Rota**  | Live attenuated  | Oral  | RotaTeq : 2 , 4 , 6 months Rotarix : 2 , 4 months |  | Immunodeficiency , history of intussusception | Started in 2015 |
| **Measles**  | Live attenuated | S/C  | 9 month | Seizure |  |  |
| **MMR**  | Live attenuated | S/C | 12 , 18 months  | Rash , swelling of glands in the cheeks and neck, fever , ITP (rubella) | Hx of reaction to neomycin , pregnancy  | Can be given in egg allergy  |
| **Pneumococcal****C**onjugated or **p**olysaccharide  |  | IM | P**C**V 7 : < 2 years P**P**V : older and adults  |  |  | PCV : child with Cystic fibrosis or Cochlear implant |
| **Influenza** | Inactivated/Whole cell | Killed : IM Live attenuated : nasal spray  |  |  | anaphylactic-like reaction to eggs |  |
| **Meningococcal****P**olysaccharide or **C**onjugated |  | MPSV4: SCMCV4 : IM  | M**P**SV4 : 2 years and up M**C**V4 : 11-55 years  |  | MCV4 C/I if hx of Guillain-Barre syndrome | Given in immunodeficiency , functional asplenia |
| **Varicella**  | Live attenuated | IM  | 1st dose : 12-15 months 2nd dose : 4-6 years  |  | anaphylactic egg or neomycin allergy  |  |

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* Last 4 vaccines are not among the national Jordanian vaccination program.