

Table 1

**Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger
United States, 2019**

These recommendations must be read with the Notes that follow. For those who fall behind or start late, provide catch-up vaccination at the earliest opportunity as indicated by the dark gray bars in Table 1. To determine minimum intervals between doses, see the catch-up schedule (Table 2). School entry and adolescent vaccine age groups are marked with a star.

| Vaccine | Birth | 1 mo | 2 mos | 4 mos | 6 mos | 9 mos | 12 mos | 15 mos | 18 mos | 19-23 mos | 2-3 yrs | 4-6 yrs* | 7-10 yrs | 11-12 yrs* | 13-15 yrs | 16 yrs* | 17-18 yrs |
|-----------------------------------------------------------|---------------------------------|----------------------|----------------------|----------------------|--------------------------|--------------------------------------------------------|--------|--------|--------------------------|----------------------|---------|----------------------|---------------------------------------------|----------------------|-----------|----------------------|-----------|
| Hepatitis B (HepB) | 1 st dose | 2 nd dose | | | ← 3 rd dose → | | | | | | | | | | | | |
| Rotavirus (RV) RV1 (2-dose series); RV5 (3-dose series) | | | 1 st dose | 2 nd dose | See Notes | | | | | | | | | | | | |
| Diphtheria, tetanus, & acellular pertussis (DTaP: <7 yrs) | | | 1 st dose | 2 nd dose | 3 rd dose | | | | ← 4 th dose → | | | 5 th dose | | | | | |
| <i>Haemophilus influenzae</i> type b (Hib) | | | 1 st dose | 2 nd dose | See Notes | ← 3 rd or 4 th dose, See Notes → | | | | | | | | | | | |
| Pneumococcal conjugate (PCV13) | | | 1 st dose | 2 nd dose | 3 rd dose | ← 4 th dose → | | | | | | | | | | | |
| Inactivated poliovirus (IPV: <18 yrs) | | | 1 st dose | 2 nd dose | ← 3 rd dose → | | | | | 4 th dose | | | | | | | |
| Influenza (IIV) or Influenza (LAIV) | Annual vaccination 1 or 2 doses | | | | | | | | | | | | or Annual vaccination 1 dose only | | | | |
| Measles, mumps, rubella (MMR) | | | | | See Notes | ← 1 st dose → | | | | 2 nd dose | | | | | | | |
| Varicella (VAR) | | | | | | ← 1 st dose → | | | | 2 nd dose | | | | | | | |
| Hepatitis A (HepA) | | | | | See Notes | 2-dose series, See Notes | | | | | | | | | | | |
| Meningococcal (MenACWY-D ≥9 mos; MenACWY-CRM ≥2 mos) | | | See Notes | | | | | | | | | | | 1 st dose | | 2 nd dose | |
| Tetanus, diphtheria, & acellular pertussis (Tdap: ≥7 yrs) | | | | | | | | | | | | | | | | | Tdap |
| Human papillomavirus (HPV) | | | | | | | | | | | | | | | | | See Notes |
| Meningococcal B | | | | | | | | | | | | | | | | | See Notes |
| Pneumococcal polysaccharide (PPSV23) | | | | | | | | | | | | | | | | | See Notes |

Range of recommended ages for all children
 Range of recommended ages for catch-up immunization
 Range of recommended ages for certain high-risk groups
 Range of recommended ages for non-high-risk groups that may receive vaccine, subject to individual clinical decision-making
 No recommendation