

Table 2. Recommended dosage regimens of hepatitis B virus vaccines<sup>4,5,7-9,12,13</sup>

Patient-Risk Group	Recommended Dosage Regimen**	% Patients with Protective Antibodies after Primary Series
<b>Monovalent Recombinant Hepatitis B Vaccine</b>		
Infants (0-23 months): HBsAg-negative mother HBsAg-positive mother* HBsAg status of mother unknown* Children Adolescents	Engerix-B 10 mcg/0.5 mL pediatric/adolescent formulation 3-dose regimen: 0.5 mL IM at 0, 1, and 6 months 4-dose regimen (optional): 0.5 mL IM at 0, 1, 2, and 12 months  Recombivax HB 5 mcg/0.5 mL pediatric/adolescent formulation 3-dose regimen: 0.5 mL IM at 0, 1, and 6 months  Recombivax HB 10 mcg/mL adult formulation 2-dose regimen (adolescents only): 1 mL IM at 0 and 4-6 months	Engerix-B Infants: 95-97 Children: 98-100 Adolescents: 96-97  Recombivax HB Infants: 96-100 Children: 99 Adolescents: 98-99
Adults	Engerix-B 20 mcg/mL adult formulation 3-dose regimen: 1 mL IM at 0, 1, and 6 months 4-dose regimen (optional): 1 mL IM at 0, 1, 2, and 12 months  Recombivax HB 10 mcg/mL adult or 5 mcg/0.5 mL pediatric/adolescent formulation 3-dose regimen: 1 mL IM at 0, 1, and 6 months	Engerix-B Healthy adults: 96 Older adults: 88 Chronic hepatitis C: 100  Recombivax HB Healthy adults: 96 Adults ≥ 40 years: 89 Chronic hepatitis C: 70
Predialysis and dialysis patients	Engerix-B 20 mcg/ mL adult formulation 4-dose regimen: 40 mcg IM at 0, 1, 2, and 6-12 months. May administer a single 2 mL (40 mcg) injection or two 1 mL (20 mcg) injections. Check anti-HBs level annually and administer a 40 mcg booster dose if level is < 10 mIU/mL.  Recombivax HB 40 mcg/mL dialysis formulation 3-dose regimen: 1 mL IM at 0, 1, and 6 months Check anti-HBs level 1-2 months after dose 3 and annually thereafter. Consider administering booster doses or revaccinating if anti-HBs levels is <10 mIU/mL.	Engerix-B: 50-67  Recombivax HB: 55-86
<b>Bivalent Inactivated Hepatitis A Virus Vaccine and Recombinant Hepatitis B Vaccine</b>		
Adults	Twinrix ≥ 720 ELU/mL and 20 mcg HBsAg protein/mL 3-dose regimen: 1 mL IM at 0, 1, and 6 months	Hepatitis A Healthy adults: 100 Adults > 40 years: 100  Hepatitis B Healthy adults: 95-99 Adults > 40 years: 93-94

Abbreviations: anti-HBs = anti-hepatitis B surface antigen antibody, ELU = enzyme-linked immunoassay units, HBsAg = hepatitis B surface antigen, U = antigen units

\*If mother is found to be HBsAg-positive, the Advisory Committee on Immunization Practices recommends immediately administering a single dose of hepatitis B immune globulin to the infant. Check the infant's levels of anti-HBs and HBsAg 1-3 months after the dose. Consider administering booster doses or revaccinating if the anti-HBs level is <10 mIU/mL and the infant is HBsAg-negative.

\*\* Some presentations of the hepatitis A and B vaccines are unavailable at this time.