Hepatitis B (HBVD) Algorithm for Chronic Renal Disease

First series (3 doses) HBVD

Test for antiHBs 1 to 6 months after primary series of hepatitis B vaccine.

AntiHBs Positive

Retest annually

AntiHBs Negative

Administer second series

Retest antiHBs 1 month later

AntiHBs Positive

Retest annually

AntiHBs Negative

Administer one dose

Annual retest

AntiHBs Positive

Retest annually

AntiHBs Negative

Retest annually

Individuals with chronic renal disease who have responded initially to hepatitis B vaccine are recommended to receive a booster dose if anti-HBs are negative on annual testing. (CIG 2017)

Available data do not suggest a maximum number of booster doses. (MMWR 2018)

Anti-HBs testing 1–2 months following the booster dose to assess response is not recommended. (MMWR 2018)

STOP

Non-responder. No further hepatitis B vaccine indicated.*

*Annual retesting of non-responders is not recommended. Follow post exposure recommendations in event of bloodborne pathogen exposure.

Individuals who fail to respond to 3 additional doses of vaccine are unlikely to benefit from further immunization and should be counselled on alternative risk reduction measures. (CIG 2017)