Tree of HBV Illness

[Hep B E antigen](https://www.sciencedirect.com/topics/immunology-and-microbiology/hepatitis-b-e-antigen) creates a viral level in the multi millions, only 10% of Hep B is this type but it causes most deaths and faster morbidity.

[Hep B has no cure](https://www.gsk.com/en-gb/behind-the-science-magazine/hepatitis-b-patient-quote-story-functional-cure/) and many on its medications still progress to liver cancer particularly those with high HBV DNA or liver harm. Bone and kidney side effects occur.

[HDV/HBV coinfection](https://www.sciencedirect.com/science/article/pii/S1600613525001066) is the most aggressive type of viral Hep and commonly not tested for over the last 50 years. HDV makes HBV present as a mild form.

Both cleared and chronic HBV can [reactivate](https://rightdecisions.scot.nhs.uk/media/1857/hepatitis-b-reactivation.pdf) to million plus DNA levels and fatality with many common cancer arthritis and hormone meds.

[Hep B is more deadly when undiagnosed.](https://pmc.ncbi.nlm.nih.gov/articles/PMC7081008/) Common parked meds and diets are toxic. Diagnostic delays cause most deaths.

[2 billion have caught HBV](https://cdn.who.int/media/docs/default-source/patient-safety/patient-safety-solutions/ps-solution8-lowres-single-use-of-injection-devices.pdf?sfvrsn=ee9bd54d_6) 700 million via healthcare it currently tests 5 times more common than HIV in UK opt out A n E testing. Approximately 90% of cases are arriving from overseas.

[Fulminant Hep B](https://pmc.ncbi.nlm.nih.gov/articles/PMC7101741/) has killed 10 million plus humans within weeks of primary infection. Over 1 in 200 are such cases, they can leave lasting harms even if survived and cleared.

[HBV is 10 and 100 times](https://www.devonsexualhealth.nhs.uk/stis/hepatitis-b/) more infectious via blood to a wound than HCV or HIV respectively. Whole families often catch [8.9% of under 5’s](https://adc.bmj.com/content/86/1/67.3) in one UK city community caught before vaccination.

In a survey of 1000 patients we found 90% [had a major ignorance](https://www.amazon.co.uk/Hepatitis-What-Every-Family-Needs/dp/150498790X) of their condition, its transmission and deep isolation regardless of care

[HBV is a child pandemic](https://pubmed.ncbi.nlm.nih.gov/14731119/) with 80% of chronic cases (250 million) acquired by children, sadly western stigma regarding sex and drug transmission is common

[**The NICE guidelines**](https://www.nice.org.uk/guidance/cg165) **for HBV offer 6 to 12 monthly liver function tests, hep B panel tests, liver ultrasounds and HBV DNA tests. Newer guidelines offer lifetime meds for levels above 20,000 HBV DNA. Many patients fear to present for care or fall out of care when moving. Patients are hardly ever aware of HBV educations and all transmission sources. Many struggle to be articulate about HBV and obtain vaccinations. Onset HBV often gives plus 1000 alt. HBsAg and Anti-HBc Testing/ Shaking the family tree is crucial for onward spread discovery.**