

# HBV Vaccination

Safe, effective and affordable vaccines are available, and programmes have been shown to be highly cost-effective in preventing some of the most common cancers, across a range of income settings.

## Target 4



Universal coverage of HPV and HBV vaccination



The Global Action Plan for the Prevention and Control of NCDs calls for prevention of liver cancer through Hepatitis B immunisation.

HBV infection is responsible for approximately 420,000 cancer cases per year, infections are broadly distributed in line with global income levels, with higher incidences of HBV infection seen in low- and middle- income countries<sup>11</sup>.



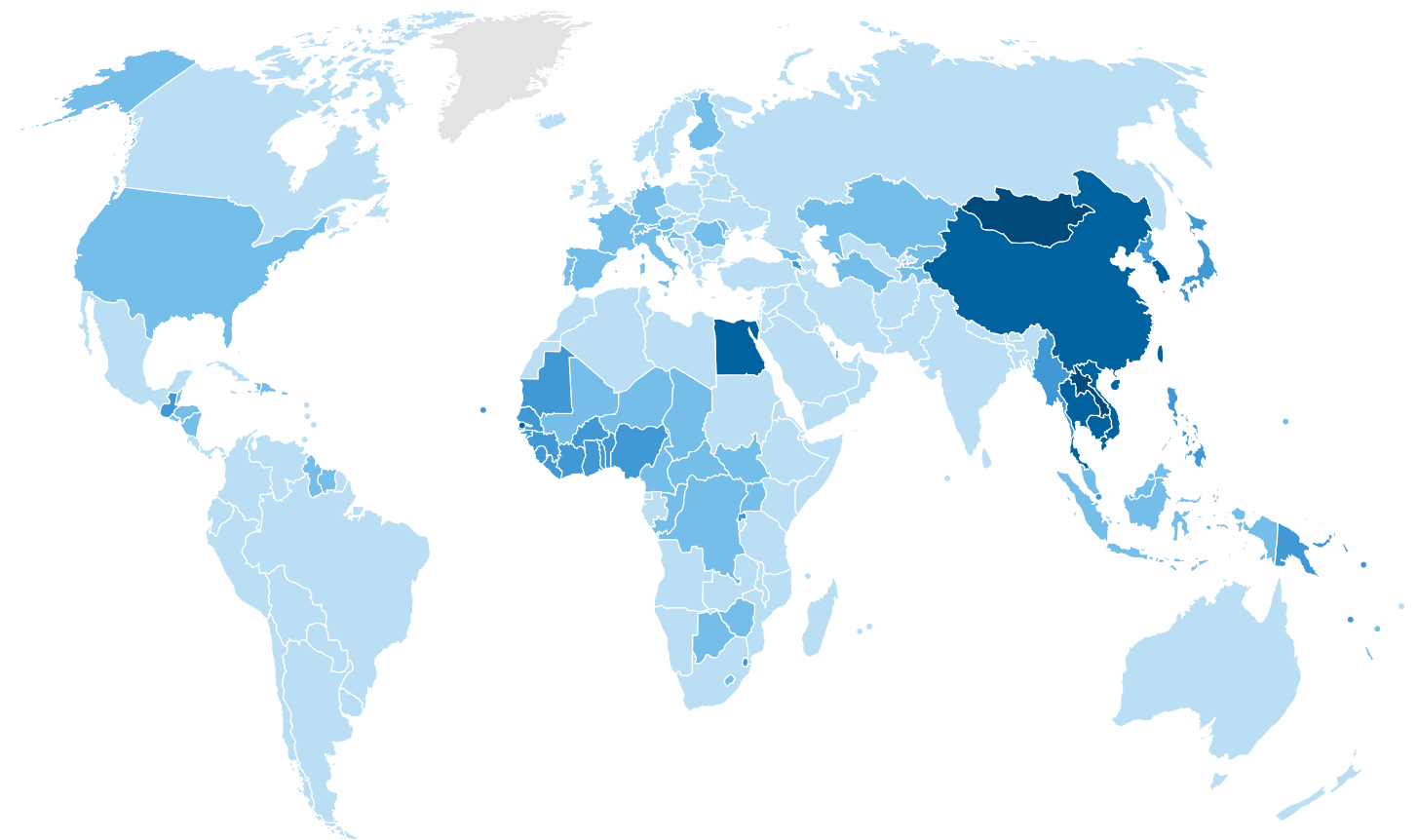
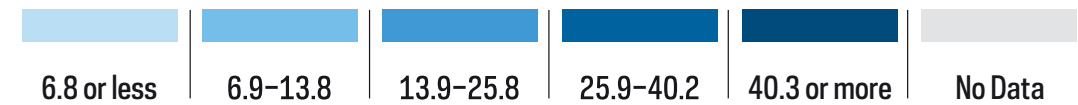
*"A highly effective HBV vaccine for infants was introduced nationwide in 184 countries by the end of 2014. A birth dose, which is essential to prevent mother-to-child transmission, was introduced in 96 countries and global coverage was estimated at 38%, reaching 80% in the Western Pacific region, but only 10% in the Africa region, suggesting that high coverage rates are achievable, but concerted efforts are needed by countries to achieve this."*

**Silvia Franceschi, Head Infections and Cancer Epidemiology Group, International Agency for Research on Cancer (IARC)**



Globally, it is estimated that there is **82% coverage with three doses of the HBV vaccine**, and this is as high as **92%** in the Western Pacific Region<sup>12</sup>.

Estimated Incidence of Liver Cancer (Age Standardised Rate [World] Per 100,000) In Males, 2012



### Getting involved: Gavi

**Gavi, the Vaccine Alliance**, has played a catalytic role in supporting country demand for two key anti-cancer vaccines - HBV and HPV. Between 2000 and 2014, the Gavi-supported pentavalent vaccine, which includes HBV, was introduced by 73 low-income countries into their routine immunisation programmes. Through its 2016-2020 strategy, Gavi will continue to support countries to increase the HBV coverage.

Since 2013, with Gavi support, one million girls have been reached with the HPV vaccine that protects against two strains of the HPV virus, which cause 70% of cervical cancer cases. Gavi's efforts help to ensure that adolescent girls, a group often facing challenges when accessing health services, are protected from cervical cancer and are receiving other essential health services.

<sup>11</sup> Plummer et al. (2016) Global burden of cancers attributable to infections in 2012: a synthetic analysis [http://www.thelancet.com/journals/langlo/article/PIIS2214-109X\(16\)30143-7/abstract](http://www.thelancet.com/journals/langlo/article/PIIS2214-109X(16)30143-7/abstract) [Accessed 19.08.16]

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