

# UNRESECTABLE HEPATOCELLULAR CARCINOMA (uHCC)

## A TYPE OF INOPERABLE LIVER CANCER

### What is Hepatocellular Carcinoma (HCC)?

HCC is a cancer that develops in the liver. The liver is responsible for:<sup>1</sup>



breaking down and storing nutrients



secreting bile into the intestines



breaking down toxins from the blood, including alcohol and drugs



creating proteins in the blood that control bleeding

HCC develops as either a single tumor or as multiple small tumors throughout the liver.<sup>1</sup> In the U.S., HCC most commonly begins as multiple small tumors.<sup>1</sup>



vs.



In the U.S., an estimated  
**41,260 PEOPLE**  
will be diagnosed with liver cancer in 2022<sup>2</sup>

AND

an estimated  
**30,520 DEATHS**  
will occur in 2022<sup>2</sup>



HCC incidence has more than  
**TRIPLED SINCE 1980**<sup>2</sup>



HCC is the most common type of liver cancer<sup>3</sup> and accounts for  
**~90% OF PRIMARY LIVER CANCERS**<sup>4</sup>

## Most HCC patients will have unresectable disease at diagnosis

Unresectable hepatocellular carcinoma is a type of liver cancer that cannot be removed by surgery.<sup>5</sup> Compared with early stage HCC, when potentially curative treatments like resection and transplantation are options, unresectable HCC has a poor prognosis, with a 5-year relative survival rate of approximately 20.8%.<sup>6,7</sup>

Approximately

**70%**



of patients are diagnosed too late to be eligible for resection or transplantation<sup>8</sup>

### References:

1. What is Liver Cancer? American Cancer Society. Atlanta, GA. 2019. Available at <https://www.cancer.org/cancer/liver-cancer/about/what-is-liver-cancer.html>.
2. Key Statistics About Liver Cancer. American Cancer Society. Atlanta, GA. 2022. Available at <https://www.cancer.org/cancer/liver-cancer/about/what-is-key-statistics.html>.
3. Massarweh, N and El-Serag, B. Epidemiology of Hepatocellular Carcinoma and Intrahepatic Cholangiocarcinoma. *Cancer Control*. 2017. Available at <http://journals.sagepub.com/doi/pdf/10.1177/1073274817729245>.
4. Llovet, J et al. Hepatocellular carcinoma. *Nature Reviews Disease Primers*. Published online January 21, 2021. Available at <https://doi.org/10.1038/s41572-020-00240-3>
5. Treating Liver Cancer. American Cancer Society. Atlanta, GA. 2021. Available at <https://www.cancer.org/cancer/liver-cancer/treating/by-stage.html>.
6. Singal, A. et al. Meta-analysis: surveillance with ultrasound for early-stage hepatocellular carcinoma in patients with cirrhosis. *Alimentary Pharmacology & Therapeutics*. 2009. doi:10.1111/j.1365-2036.2009.04014.
7. Cancer Stat Facts: Liver and Intrahepatic Bile Duct Cancer. National Cancer Institute: Surveillance, Epidemiology, and End Results Program. 2022. Available at <https://seer.cancer.gov/statfacts/html/livibd.html>.
8. Gholam PM, Iyer R, Johnson MS. Multidisciplinary Management of Patients with Unresectable Hepatocellular Carcinoma: A Critical Appraisal of Current Evidence. *Cancers (Basel)*. 2019 Jun 22;11(6):873. doi: 10.3390/cancers11060873.

