Recognizing Patients at High Risk for MASH



Metabolic dysfunction-associated steatotic liver disease (MASLD) and its more severe form, metabolic dysfunction-associated steatohepatitis (MASH), are subcategories within steatotic liver disease (SLD).1

Globally, 7 2 in 5 people have MASLD²

The number of MASH cases in the US is projected to increase by 63% to 27 million cases by 2030.3



Certain cardiometabolic risk factors contribute to the burden of MASLD/MASH

MASLD/MASH is defined by the presence of hepatic steatosis and one or more cardiometabolic risk factors, including:1



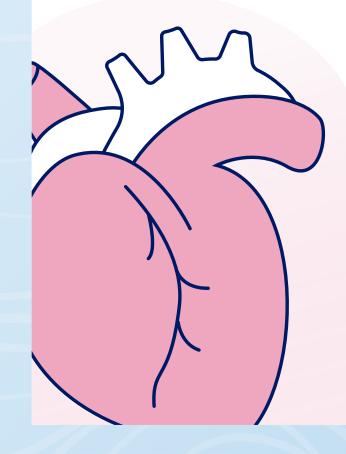




Hypertension



Dyslipidemia Hypertriglyceridemia and/or low HDL

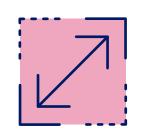


People living with these cardiometabolic disorders, particularly type 2 diabetes and obesity, are at high risk of developing MASH⁴⁻⁷

diabetes







More than 1 in 3 people with type 2 diabetes may have MASH^{4,5*} More than 1 in 3 people with obesity may have MASH^{6,7†}

Genetic and social determinants increase susceptibility to MASLD/MASH in certain populations

Certain genetic variants, such as PNPLA3, TM6SF2, HSD17B13, are associated with increased risk and severity of MASLD9



MASLD and MASH are disproportionately prevalent in certain sex, racial and socioeconomic groups^{10,11}



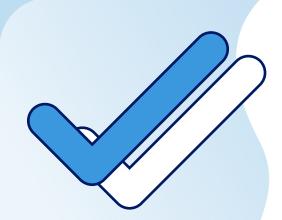
Men have 19% higher MASLD prevalence than women. Although both sexes face similar risks for MASH, postmenopausal women are more prone to developing advanced fibrosis



Hispanic populations have a higher genetic predisposition to MASH and higher rates of MASH than White or Black individuals



Socioeconomic factors like poverty, poor access to nutritious food, and food insecurity can contribute to MASLD disease burden



People in high risk populations, including those with certain cardiometabolic diseases, genetic risk factors or from racial or ethnic subpopulations, should be evaluated for MASLD/MASH to optimize health outcomes for affected patients.

Global MASH prevalence estimates in the obesity population from 2006 applied to 2022 global population living with obesity.

HDL, high-density lipoprotein; HSD17B13, 17B-hydroxysteroid dehydrogenase 13; MASH, metabolic dysfunction-associated steatohepatitis; MASLD, metabolic dysfunction-associated steatotic liver disease; PNPLA3, patatin-like phospholipase domain-containing protein 3; T2D, Type 2 diabetes; TM6SF2, transmembrane 6 superfamily member 2. 1. Rinella ME et al. Hepatology. 2023;78:1966–1986; 2. Younossi ZM et al. Hepatology. 2023;77:1335–1347; 3. Estes C et at. Hepatology. 2018;67:123–33; 4. Younossi ZM et al. J Hepatol. 2019;71:793-801; 5. World Health Organization. Diabetes – Overview.

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