

Table Supplement: Highest loading factors contained in the factor analysis for the alpha fetoprotein and ultrasound algorithms.		
	PRINCIPAL COMPONENT	VARIABLES WITH A FACTOR LOADING GREATER THAN 0.40
Alpha fetoprotein (AFP)		
	1. Substance abuse	Chronic alcoholism, alcohol dependency, drug dependency, cocaine use, non-dependent use of drugs
	2. Prior liver function tests	Alkaline phosphatase test within 30-days prior to AFP, alkaline phosphatase test within 2-years prior to AFP, bilirubin test within 30-days before AFP, bilirubin test within 2-years before AFP
	3. CT scan after AFP	CT scan within 90-days after AFP
	4. CT scan before AFP	CT scan within 90-days before AFP
	5. LDH, diabetes, HCC diagnosis	Total serum lactic dehydrogenase (LDH) test within 30-days before AFP, diabetes, diagnosis code for HCC 60-days following AFP
	6. Non-specific hepatitis	Acute hepatitis, chronic hepatitis
	7. Liver disease severity	Prothrombin time tested within 30-days before AFP, esophageal varices without bleeding
	8. Hepatitis	Non-alcoholic hepatitis, HBV without coma
	9. Ultrasound	Ultrasound within 90-days before or after AFP
Ultrasound		
	1. Substance abuse	Chronic alcoholism, alcohol dependency, drug dependency
	2. Liver function tests within 30 days before ultrasound	Alkaline phosphatase test within 30-days before ultrasound, bilirubin test within 30-days before ultrasound, LDH within 30-days before ultrasound
	3. CT scan – 30 days	CT scan within 30-days before ultrasound, CT scan within 30-days before or after ultrasound
	4. Liver function tests within 2-years before ultrasound	Alkaline phosphate test within 2-years before ultrasound, total bilirubin test within 2-years before ultrasound, serum lactic dehydrogenase (LDH) test within 2-years before ultrasound
	5. Hepatitis	HCV, unspecified hepatitis
	6. CT scan – 90 days, diabetes	CT scan within 90-days before ultrasound, diabetes
	7. IV drug use, HBV	Cocaine use, use of drugs, HBV
	8. Liver biopsy, AFP	Liver biopsy within 1-year before or after ultrasound, prothrombin time, AFP within 90-days before or after ultrasound
	9. HCC diagnosis, esophageal varices	HCC diagnosis within 60 days after ultrasound, esophageal varices without bleeding