

Parameter	Transition, reference	Annual probability mean (range)
q_{chr}	Acute \rightarrow F0, [10]	0.70 (0.55-0.85)
q_{01}	F0 \rightarrow F1, [4]	0.117 (0.104 - 0.130)
q_{12}	F1 \rightarrow F2, [4]	0.085 (0.075 - 0.096)
q_{23}	F2 \rightarrow F3, [4]	0.120 (0.109 - 0.133)
q_{34}	F3 \rightarrow F4, [4]	0.116 (0.104 - 0.129)
d_{DC}	F4 \rightarrow DC, [12]	0.035 (0.027 - 0.043)
d_{DC-SVR}	F4 (SVR) \rightarrow DC, [12]	0.002 (0.0001 - 0.005)
a_1	HCC \rightarrow LT, [23]	0.033 (0.017 - 0.049)
a_2	HCC \rightarrow LD, [24]	0.411 (0.31 - 0.51)
a_3	DC \rightarrow LT, [23]	0.033 (0.017 - 0.049)
a_4	DC \rightarrow LD, [25]	0.216 (0.162 - 0.27)
a_5	LT \rightarrow LD within one year, [26]	0.142 (0.124 - 0.159)
a_6	LT \rightarrow LD after one year, [26]	0.034 (0.024 - 0.043)

S1 Table: Literature-derived model parameters. Annual probabilities of progression to CHC, progression between fibrosis stages, progression to DC, and advanced liver disease progression.