



M

M

B	C
2030	2015
	1/2

M

- n v nyMn non rM O
MUO M P MUP O
● MUO M M
● M
● U P O
M M
M M
OM n v nyMn non r UO UP U
M M M
urMn pr M M
M urMn pr M M
■ urMn pr M M
■ O qr MsMpu vMnr n vv M M qM M srp v M M M qM rM r q M M n M
NMvz yn v M q M
■ Junko Tanaka^{1,2}*, Akemi Kurisu^{1,2}, Masatsugu Ohara^{3,4}, Serge Ouoba^{1,5}, Masayuki Ohisa^{1,2},
Aya Sugiyama^{1,2}, Michelle L. Wang^{2,6}, Lindsey Hiebert^{1,7}, Tatsuya Kanto⁸, Tomoyuki Akita^{1,2} *
r n z r MsM vrz v y t M srp v M vrn rM yM qM r r v M nq n rMpu yMsM
Ov z r qvnyM qM rnyuMpr pr M v uz nM vr v M
wpMr rn puM r M M vrz v y t M qM r r v MsMvnyM r n vv M qM r n pryy yn M
pn pv z nM
r n z r MsM n r r y t M qM r n y t M n v nyM vnyM tn v n v MU xxnvq M
rqvnyM r M xxnvq M n M
r n z r MsM n r r y t M qM r n y t M n p y MsM rqvpr M qM nq n rMpu yMsM
rqvpr M xxnvq M vr v M xxnvq M n M

vrMrMrpur purMpyv v rMrMn M P W v MrMrpur purM Mpr prMrMn rM
V Mn NO xvnMn M
r n z r M sMPurz v Mn qMPurz vnyMOv y t MUn n qM vr v M M s qM rr M
Pnz o vqtr M NM M NM
P nyv M M Ty onyMr n vv Mryz v n v MurMn xM prM M Ty onyMrnyuM
urMr rn puMPr r M MUr n vv M qMz z y t M n v nyMPr r M M Ty onyMrnyuM qM
rqpv rM

P r qv tM u M

■ VM wyn p M

O UO P UP U UO UP U M Ty onyM

t r Mr M MUV MvnyMr n vv M qMr nny M n z v r qM srp v M M

UO n nxnM MyM M M M M M
UP M NN U M M
M UO

M

M

● UO MM UO M UP M M-M UP M M
UO M UP M UO M UP M

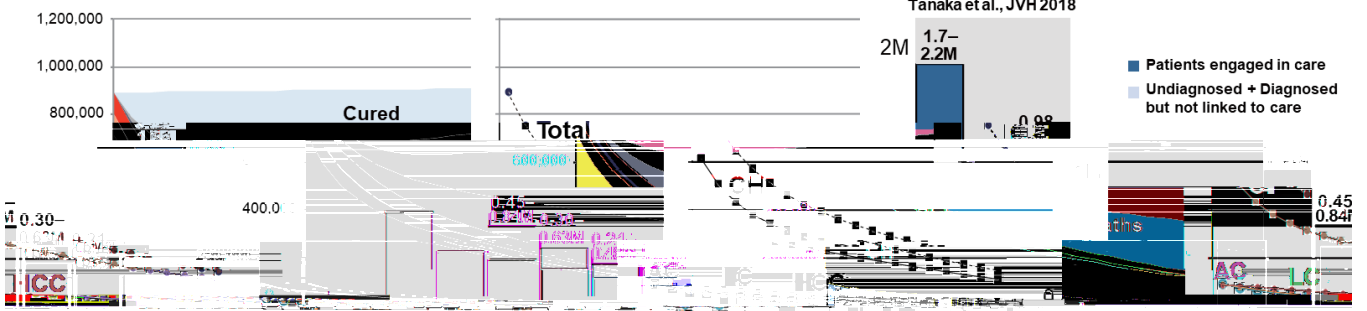
● M UP M P V

M

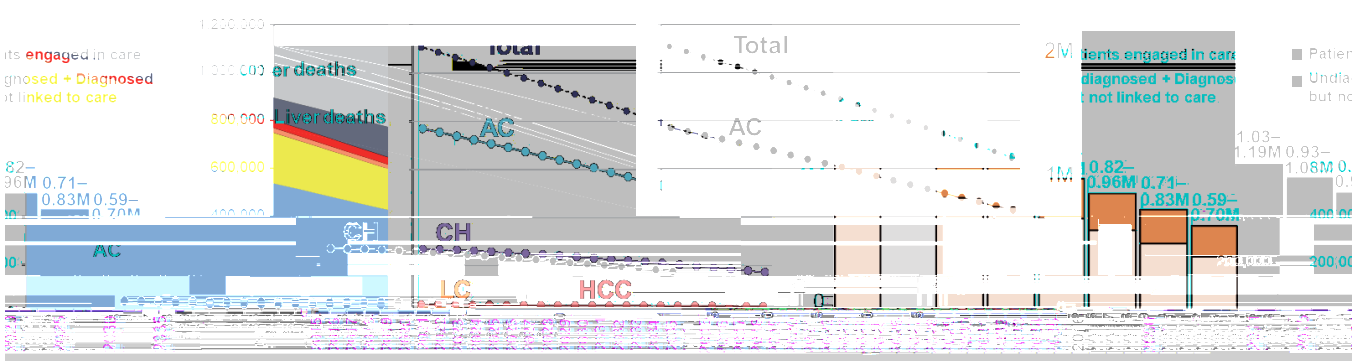
M

M

A) HCV



B) HBV



P

O

M

UO UP

M

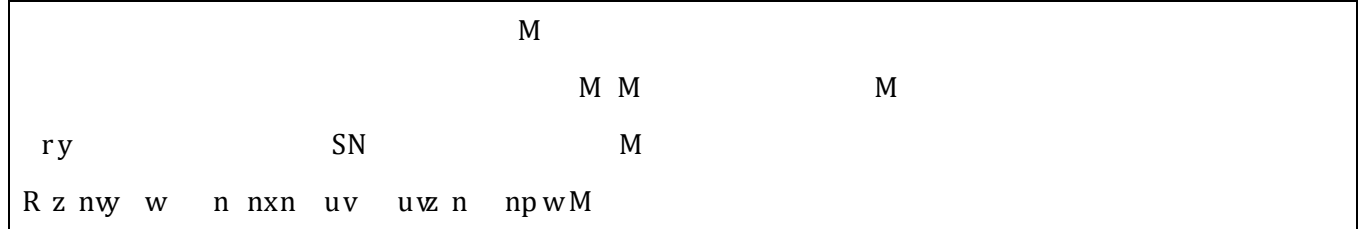
M

M

M

M

M



M

M

M