

Anemia

TABLE 142: ANEMIA TREATMENT-NAIVE: RELATIVE RISKS AND RISK DIFFERENCE FOR ALL TREATMENT COMPARISONS — RANDOM EFFECTS MODEL

TREATMENT	REFERENCE	RR (95% CRI)	RD % (95% CRL)
SOF12 + RBV12	PR48	0.69 (0.36 to 1.31)	-6.48 (-14.21 to 6.41)
SOF24 + RBV24		1.26 (0.48 to 2.53)	5.59 (-11.27 to 31.50)
SOF12 + LDV12		0.06 (0.02 to 0.13)	-20.09 (-23.39 to -16.83)
SOF8 + LDV8 + RBV8		0.36 (0.09 to 1.43)	-13.66 (-20.25 to 8.98)
SOF12 + LDV12 + RBV12		0.66 (0.34 to 1.20)	-7.20 (-14.56 to 4.20)
SOF24 + LDV24 + RBV24		0.59 (0.28 to 1.11)	-8.85 (-15.90 to 2.36)
T12 PR24-48 RGT q8		1.87 (1.32 to 2.50)	18.67 (6.74 to 31.67)
T12 PR24-48 RGT q12		2.06 (1.36 to 2.88)	22.69 (7.50 to 39.52)
T12 PR48 q8		1.13 (0.46 to 2.29)	2.81 (-12.18 to 26.11)
SOF12 + PR12		1.49 (0.80 to 2.45)	10.48 (-4.31 to 30.04)
SOF12 PR24-48 RGT		0.88 (0.41 to 1.73)	-2.67 (-13.25 to 14.68)
SIM12 PR24-48 RGT		0.82 (0.59 to 1.12)	-3.76 (-9.13 to 2.45)
B24 PR28-48 RGT		1.82 (1.27 to 2.44)	17.40 (5.70 to 30.40)
B44 PR48		1.58 (0.75 to 2.80)	12.44 (-5.41 to 36.75)
PR24		0.97 (0.41 to 2.07)	-0.61 (-12.85 to 21.90)
SOF24 + RBV (low dose) 24		0.82 (0.32 to 1.74)	-3.85 (-14.94 to 15.48)
PAR/RIT12 + OMB12 + DAS12		0.35 (0.14 to 0.75)	-13.93 (-18.88 to -5.35)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.38 (0.15 to 0.84)	-13.11 (-19.30 to -3.33)
DCV12 + SOF12		0.09 (0.01 to 0.70)	-19.18 (-23.34 to -6.47)
SOF24 + RBV24	SOF12 + RBV12	1.79 (0.66 to 4.11)	11.71 (-6.62 to 36.50)
SOF12 + LDV12		0.08 (0.03 to 0.21)	-13.50 (-26.03 to -6.53)
SOF8 + LDV8 + RBV8		0.52 (0.12 to 2.32)	-6.74 (-20.86 to 15.06)
SOF12 + LDV12 + RBV12		0.95 (0.41 to 2.20)	-0.64 (-14.11 to 11.84)
SOF24 + LDV24 + RBV24		0.85 (0.34 to 2.09)	-2.22 (-15.79 to 10.85)
T12 PR24-48 RGT q8		2.68 (1.31 to 5.48)	24.84 (7.53 to 40.24)
T12 PR24-48 RGT q12		2.95 (1.40 to 6.03)	28.82 (9.31 to 47.55)
T12 PR48 q8		1.60 (0.57 to 4.02)	9.00 (-9.19 to 32.28)
SOF12 + PR12		2.15 (1.07 to 3.86)	16.75 (1.37 to 33.16)
SOF12 PR24-48 RGT		1.26 (0.46 to 3.19)	3.82 (-12.74 to 22.11)
SIM12 PR24-48 RGT		1.18 (0.59 to 2.38)	2.69 (-10.72 to 11.88)
B24 PR28-48 RGT		2.61 (1.27 to 5.29)	23.69 (6.41 to 38.96)
B44 PR48		2.28 (0.87 to 5.41)	18.52 (-2.84 to 43.74)
PR24		1.39 (0.77 to 2.41)	5.72 (-3.57 to 21.65)
SOF24 + RBV (low dose) 24		1.16 (0.45 to 2.68)	2.37 (-11.21 to 20.19)
PAR/RIT12 + OMB12 + DAS12		0.50 (0.17 to 1.35)	-7.31 (-20.75 to 3.39)

TREATMENT	REFERENCE	RR (95% CRI)	RD % (95% CRL)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.55 (0.20 to 1.41)	-6.41 (-19.80 to 4.12)
DCV12 + SOF12		0.12 (0.01 to 1.08)	-12.32 (-25.12 to 0.96)
SOF12 + LDV12	SOF24 + RBV24	0.04 (0.01 to 0.16)	-25.66 (-51.35 to -9.02)
SOF8 + LDV8 + RBV8		0.29 (0.06 to 1.55)	-18.05 (-45.01 to 8.51)
SOF12 + LDV12 + RBV12		0.53 (0.22 to 1.46)	-12.41 (-38.13 to 5.81)
SOF24 + LDV24 + RBV24		0.47 (0.18 to 1.41)	-14.00 (-40.24 to 5.13)
T12 PR24-48 RGT q8		1.49 (0.68 to 4.04)	12.98 (-15.52 to 35.45)
T12 PR24-48 RGT q12		1.63 (0.73 to 4.48)	16.82 (-12.70 to 41.93)
T12 PR48 q8		0.91 (0.29 to 2.83)	-2.45 (-32.20 to 24.62)
SOF12 + PR12		1.19 (0.48 to 3.35)	5.00 (-23.80 to 29.01)
SOF12 PR24-48 RGT		0.70 (0.24 to 2.26)	-7.79 (-36.82 to 15.95)
SIM12 PR24-48 RGT		0.65 (0.31 to 1.79)	-9.38 (-35.46 to 8.61)
B24 PR28-48 RGT		1.43 (0.65 to 3.94)	11.65 (-16.99 to 33.67)
B44 PR48		1.26 (0.45 to 3.89)	7.01 (-25.62 to 36.82)
PR24		0.78 (0.29 to 2.32)	-5.81 (-31.68 to 19.06)
SOF24 + RBV (low dose) 24		0.66 (0.31 to 1.32)	-8.65 (-29.10 to 5.56)
PAR/RIT12 + OMB12 + DAS12		0.27 (0.09 to 0.94)	-19.30 (-45.36 to -0.73)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.31 (0.10 to 1.01)	-18.37 (-44.74 to 0.18)
DCV12 + SOF12		0.07 (0.00 to 0.71)	-24.12 (-50.05 to -4.23)
SOF8 + LDV8 + RBV8	SOF12 + LDV12	6.54 (2.19 to 20.41)	6.39 (1.18 to 27.82)
SOF12 + LDV12 + RBV12		11.97 (4.45 to 33.98)	12.93 (6.03 to 23.97)
SOF24 + LDV24 + RBV24		10.50 (3.86 to 30.92)	11.27 (4.87 to 22.26)
T12 PR24-48 RGT q8		33.68 (13.23 to 88.38)	38.84 (26.09 to 52.39)
T12 PR24-48 RGT q12		36.90 (14.12 to 99.88)	42.87 (27.09 to 60.05)
T12 PR48 q8		19.78 (7.22 to 55.16)	22.84 (9.05 to 45.30)
SOF12 + PR12		26.17 (11.76 to 65.24)	30.61 (16.20 to 49.42)
SOF12 PR24-48 RGT		15.86 (4.73 to 53.86)	17.51 (7.52 to 33.96)
SIM12 PR24-48 RGT		14.89 (6.03 to 37.43)	16.28 (11.11 to 22.56)
B24 PR28-48 RGT		32.60 (12.81 to 84.22)	37.55 (25.29 to 51.00)
B44 PR48		28.71 (8.86 to 86.74)	32.60 (14.94 to 56.46)
PR24		17.35 (5.92 to 55.61)	19.41 (7.70 to 41.64)
SOF24 + RBV (low dose) 24		14.84 (4.41 to 44.90)	16.25 (5.64 to 35.12)
PAR/RIT12 + OMB12 + DAS12		6.24 (1.82 to 20.88)	6.10 (1.47 to 14.89)
PAR/RIT12 + OMB12 + DAS12 + RBV12		6.78 (2.62 to 18.20)	6.88 (2.30 to 15.93)

TREATMENT	REFERENCE	RR (95% CRI)	RD % (95% CRL)
DCV12 + SOF12		1.53 (0.08 to 14.99)	0.59 (-1.73 to 13.72)
SOF12 + LDV12 + RBV12	SOF8 + LDV8 + RBV8	1.87 (0.43 to 7.56)	6.18 (-15.84 to 18.30)
SOF24 + LDV24 + RBV24		1.62 (0.39 to 6.93)	4.47 (-16.62 to 16.98)
T12 PR24-48 RGT q8		5.21 (1.24 to 20.69)	31.63 (6.50 to 47.03)
T12 PR24-48 RGT q12		5.70 (1.35 to 23.16)	35.54 (9.05 to 53.86)
T12 PR48 q8		3.04 (0.70 to 13.71)	15.13 (-7.46 to 38.83)
SOF12 + PR12		4.07 (1.04 to 16.40)	22.84 (1.00 to 42.23)
SOF12 PR24-48 RGT		2.40 (0.52 to 11.41)	10.18 (-12.80 to 28.86)
SIM12 PR24-48 RGT		2.29 (0.58 to 8.97)	9.67 (-12.37 to 18.47)
B24 PR28-48 RGT		5.04 (1.22 to 20.15)	30.33 (6.00 to 45.50)
B44 PR48		4.31 (0.90 to 19.40)	24.97 (-2.35 to 50.85)
PR24		2.65 (0.55 to 12.62)	12.22 (-11.46 to 35.74)
SOF24 + RBV (low dose) 24		2.27 (0.44 to 10.35)	9.05 (-13.68 to 28.94)
PAR/RIT12 + OMB12 + DAS12		0.95 (0.18 to 4.52)	-0.38 (-22.63 to 10.06)
PAR/RIT12 + OMB12 + DAS12 + RBV12		1.03 (0.26 to 4.48)	0.24 (-20.23 to 10.69)
DCV12 + SOF12		0.23 (0.01 to 3.03)	-5.18 (-27.81 to 8.22)
SOF24 + LDV24 + RBV24	SOF12 + LDV12 + RBV12	0.89 (0.46 to 1.65)	-1.51 (-10.60 to 7.41)
T12 PR24-48 RGT q8		2.83 (1.40 to 5.75)	25.71 (8.84 to 41.06)
T12 PR24-48 RGT q12		3.10 (1.50 to 6.47)	29.75 (10.44 to 48.22)
T12 PR48 q8		1.70 (0.59 to 4.40)	9.72 (-8.41 to 33.42)
SOF12 + PR12		2.23 (0.99 to 4.90)	17.36 (-0.30 to 37.69)
SOF12 PR24-48 RGT		1.33 (0.51 to 3.50)	4.54 (-10.62 to 22.85)
SIM12 PR24-48 RGT		1.24 (0.63 to 2.52)	3.37 (-8.89 to 12.57)
B24 PR28-48 RGT		2.72 (1.37 to 5.62)	24.36 (8.14 to 39.64)
B44 PR48		2.38 (0.92 to 5.72)	19.46 (-1.49 to 44.60)
PR24		1.46 (0.54 to 3.75)	6.39 (-9.04 to 28.59)
SOF24 + RBV (low dose) 24		1.23 (0.47 to 2.87)	3.23 (-10.02 to 21.35)
PAR/RIT12 + OMB12 + DAS12		0.52 (0.18 to 1.43)	-6.59 (-18.86 to 4.05)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.58 (0.19 to 1.63)	-5.75 (-18.44 to 5.87)
DCV12 + SOF12		0.13 (0.01 to 1.18)	-11.63 (-23.36 to 2.08)
T12 PR24-48 RGT q8	SOF24 + LDV24 + RBV24	3.18 (1.51 to 6.95)	27.12 (10.62 to 42.65)
T12 PR24-48 RGT q12		3.49 (1.60 to 7.71)	31.07 (12.14 to 49.62)
T12 PR48 q8		1.90 (0.63 to 5.26)	11.25 (-7.14 to 35.04)
SOF12 + PR12		2.53 (1.05 to 5.87)	19.01 (1.03 to 38.88)
SOF12 PR24-48 RGT		1.50 (0.54 to 4.08)	6.08 (-9.30 to 24.12)
SIM12 PR24-48 RGT		1.40 (0.67 to 3.09)	5.00 (-7.38 to 14.20)
B24 PR28-48 RGT		3.08 (1.49 to 6.71)	25.90 (9.73 to 40.67)
B44 PR48		2.69 (1.00 to 6.74)	21.04 (-0.09 to 46.13)

TREATMENT	REFERENCE	RR (95% CRI)	RD % (95% CRL)
PR24		1.66 (0.58 to 4.46)	8.03 (-7.92 to 30.45)
SOF24 + RBV (low dose) 24		1.39 (0.49 to 3.73)	4.74 (-9.48 to 24.47)
PAR/RIT12 + OMB12 + DAS12		0.59 (0.19 to 1.68)	-5.00 (-17.21 to 5.35)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.65 (0.22 to 1.90)	-4.36 (-16.55 to 7.14)
DCV12 + SOF12		0.14 (0.01 to 1.27)	-9.97 (-21.81 to 2.82)
T12 PR24-48 RGT q12	T12 PR24-48 RGT q8	1.10 (0.86 to 1.39)	3.98 (-5.52 to 14.44)
T12 PR48 q8		0.61 (0.23 to 1.32)	-15.64 (-36.06 to 10.49)
SOF12 + PR12		0.79 (0.40 to 1.45)	-8.20 (-28.17 to 14.32)
SOF12 PR24-48 RGT		0.47 (0.21 to 1.02)	-21.24 (-38.53 to 0.81)
SIM12 PR24-48 RGT		0.44 (0.28 to 0.70)	-22.40 (-36.62 to -8.88)
B24 PR28-48 RGT		0.97 (0.62 to 1.54)	-1.27 (-18.56 to 16.55)
B44 PR48		0.85 (0.39 to 1.66)	-6.12 (-28.74 to 21.55)
PR24		0.52 (0.21 to 1.17)	-18.98 (-37.33 to 5.91)
SOF24 + RBV (low dose) 24		0.44 (0.16 to 1.01)	-22.22 (-40.10 to 0.39)
PAR/RIT12 + OMB12 + DAS12		0.19 (0.09 to 0.35)	-32.26 (-42.91 to -21.78)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.21 (0.08 to 0.48)	-31.49 (-46.22 to -15.96)
DCV12 + SOF12		0.05 (0.00 to 0.39)	-37.39 (-51.39 to -20.26)
T12 PR48 q8	T12 PR24-48 RGT q12	0.55 (0.21 to 1.24)	-19.49 (-42.75 to 8.00)
SOF12 + PR12		0.73 (0.36 to 1.36)	-12.09 (-34.40 to 11.91)
SOF12 PR24-48 RGT		0.43 (0.19 to 0.96)	-25.07 (-45.92 to -1.45)
SIM12 PR24-48 RGT		0.40 (0.25 to 0.67)	-26.42 (-44.17 to -10.07)
B24 PR28-48 RGT		0.88 (0.54 to 1.46)	-5.28 (-25.79 to 14.55)
B44 PR48		0.77 (0.34 to 1.56)	-10.04 (-35.26 to 18.84)
PR24		0.47 (0.19 to 1.12)	-22.84 (-44.09 to 4.11)
SOF24 + RBV (low dose) 24		0.40 (0.15 to 0.94)	-26.13 (-46.67 to -2.04)
PAR/RIT12 + OMB12 + DAS12		0.17 (0.08 to 0.33)	-36.30 (-51.16 to -22.10)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.19 (0.07 to 0.45)	-35.41 (-53.68 to -17.25)
DCV12 + SOF12		0.04 (0.00 to 0.36)	-41.37 (-58.86 to -21.46)
SOF12 + PR12	T12 PR48 q8	1.32 (0.54 to 3.63)	7.55 (-19.00 to 31.73)
SOF12 PR24-48 RGT		0.79 (0.26 to 2.53)	-5.03 (-31.34 to 18.42)
SIM12 PR24-48 RGT		0.73 (0.33 to 1.84)	-6.55 (-30.33 to 9.11)
B24 PR28-48 RGT		1.59 (0.73 to 4.09)	14.33 (-11.74 to 34.87)
B44 PR48		1.42 (0.50 to 3.86)	9.88 (-20.14 to 37.95)
PR24		0.86 (0.30 to 2.69)	-3.26 (-28.05 to 22.78)
SOF24 + RBV (low dose) 24		0.73 (0.23 to 2.32)	-6.55 (-31.26 to 16.77)
PAR/RIT12 + OMB12 + DAS12		0.31 (0.10 to 1.00)	-16.51 (-39.58 to 0.02)

TREATMENT	REFERENCE	RR (95% CRI)	RD % (95% CRL)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.34 (0.15 to 0.87)	-15.56 (-36.29 to -1.78)
DCV12 + SOF12		0.08 (0.00 to 0.53)	-21.01 (-42.51 to -7.50)
SOF12 PR24-48 RGT	SOF12 + PR12	0.59 (0.24 to 1.47)	-12.63 (-35.28 to 9.67)
SIM12 PR24-48 RGT		0.56 (0.33 to 1.01)	-14.08 (-32.69 to 0.25)
B24 PR28-48 RGT		1.22 (0.67 to 2.41)	6.92 (-15.45 to 26.73)
B44 PR48		1.07 (0.43 to 2.45)	2.22 (-25.47 to 30.57)
PR24		0.65 (0.29 to 1.51)	-10.75 (-29.94 to 12.05)
SOF24 + RBV (low dose) 24		0.55 (0.21 to 1.37)	-13.97 (-34.50 to 7.99)
PAR/RIT12 + OMB12 + DAS12		0.23 (0.08 to 0.63)	-24.04 (-43.86 to -7.46)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.26 (0.10 to 0.63)	-23.17 (-42.64 to -7.45)
DCV12 + SOF12		0.06 (0.00 to 0.51)	-29.04 (-49.09 to -10.32)
SIM12 PR24-48 RGT	SOF12 PR24-48 RGT	0.93 (0.43 to 2.17)	-1.29 (-19.27 to 11.39)
B24 PR28-48 RGT		2.07 (0.97 to 4.59)	19.70 (-0.89 to 37.05)
B44 PR48		1.78 (0.65 to 4.70)	14.51 (-10.21 to 42.09)
PR24		1.11 (0.36 to 3.22)	2.05 (-19.77 to 26.73)
SOF24 + RBV (low dose) 24		0.92 (0.28 to 2.78)	-1.45 (-21.50 to 20.91)
PAR/RIT12 + OMB12 + DAS12		0.39 (0.13 to 1.16)	-10.99 (-28.75 to 1.80)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.43 (0.15 to 1.30)	-10.43 (-28.17 to 3.37)
DCV12 + SOF12		0.10 (0.01 to 0.94)	-16.21 (-33.06 to -0.77)
B24 PR28-48 RGT	SIM12 PR24-48 RGT	2.20 (1.38 to 3.43)	21.14 (7.91 to 35.31)
B44 PR48		1.93 (0.87 to 3.73)	16.27 (-2.70 to 40.95)
PR24		1.18 (0.49 to 2.67)	3.05 (-10.15 to 25.89)
SOF24 + RBV (low dose) 24		1.00 (0.37 to 2.25)	0.06 (-12.77 to 19.57)
PAR/RIT12 + OMB12 + DAS12		0.42 (0.17 to 0.98)	-10.10 (-17.71 to -0.36)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.47 (0.19 to 1.08)	-9.24 (-17.23 to 1.19)
DCV12 + SOF12		0.10 (0.01 to 0.88)	-15.18 (-22.37 to -2.00)
B44 PR48	B24 PR28-48 RGT	0.87 (0.40 to 1.71)	-4.99 (-27.27 to 22.40)
PR24		0.53 (0.22 to 1.23)	-17.85 (-35.94 to 7.69)
SOF24 + RBV (low dose) 24		0.46 (0.17 to 1.04)	-20.87 (-38.72 to 1.27)
PAR/RIT12 + OMB12 + DAS12		0.19 (0.08 to 0.45)	-31.09 (-45.20 to -16.98)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.21 (0.08 to 0.50)	-30.23 (-44.91 to -15.02)
DCV12 + SOF12		0.05 (0.00 to 0.39)	-36.05 (-50.11 to -19.89)
PR24	B44 PR48	0.62 (0.22 to 1.74)	-12.76 (-39.49 to 15.30)

TREATMENT	REFERENCE	RR (95% CRI)	RD % (95% CRL)
SOF24 + RBV (low dose) 24		0.52 (0.16 to 1.49)	-16.01 (-43.27 to 9.93)
PAR/RIT12 + OMB12 + DAS12		0.22 (0.07 to 0.63)	-25.95 (-50.93 to -6.91)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.24 (0.08 to 0.71)	-25.33 (-49.81 to -5.58)
DCV12 + SOF12		0.05 (0.00 to 0.50)	-30.92 (-55.68 to -10.64)
SOF24 + RBV (low dose) 24	PR24	0.84 (0.29 to 2.31)	-3.22 (-25.50 to 16.22)
PAR/RIT12 + OMB12 + DAS12		0.36 (0.11 to 1.11)	-13.00 (-35.55 to 1.22)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.40 (0.13 to 1.16)	-12.13 (-34.91 to 1.80)
DCV12 + SOF12		0.09 (0.00 to 0.87)	-18.00 (-40.41 to -1.62)
PAR/RIT12 + OMB12 + DAS12	SOF24 + RBV (low dose) 24	0.42 (0.13 to 1.47)	-9.87 (-29.44 to 3.96)
PAR/RIT12 + OMB12 + DAS12 + RBV12		0.48 (0.14 to 1.48)	-8.91 (-28.15 to 4.18)
DCV12 + SOF12		0.11 (0.01 to 1.08)	-14.99 (-34.33 to 0.83)
PAR/RIT12 + OMB12 + DAS12 + RBV12	PAR/RIT12 + OMB12 + DAS12	1.11 (0.33 to 3.72)	0.78 (-9.07 to 11.28)
DCV12 + SOF12		0.25 (0.01 to 2.54)	-5.04 (-14.02 to 8.02)
DCV12 + SOF12	PAR/RIT12 + OMB12 + DAS12 + RBV12	0.23 (0.01 to 1.91)	-5.67 (-15.39 to 6.10)
Random effect model	Residual deviance	62.48 vs. 64 data points	
	Deviance information criteria	367.889	
Fixed effect model	Residual deviance	63.13 vs. 64 data points	
	Deviance information criteria	366.667	

ASU = asunaprevir; B = boceprevir; BEC = beclabuvir; Crl = credible interval; DAS = dasabuvir; DCV = daclatasvir; ELB = elbasvir; GRZ = grazoprevir; LDV = ledipasvir; OMB = ombitasvir; PAR = paritaprevir; PR = pegylated interferon plus ribavirin; q8 = every 8 hours; q12 = every 12 hours; RBV = ribavirin; RD = risk difference; RGT = response-guided therapy; RIT = ritonavir; RR = relative risk; SIM = simeprevir; SOF = sofosbuvir; SVR = sustained virologic response; T = telaprevir; vs. = versus.
Note: Please refer to Treatment Regimen Nomenclature table for description of dosages.