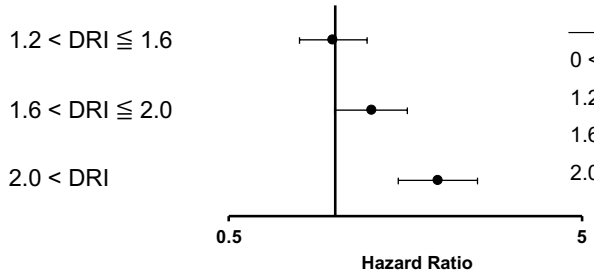
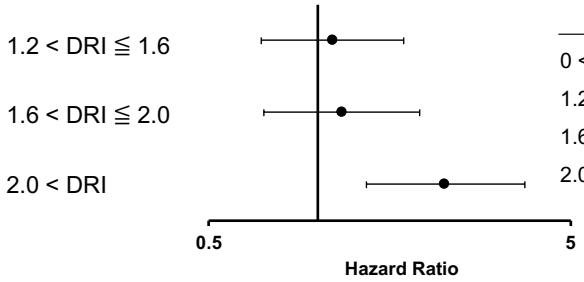
SDC, Figure 1. Adjusted hazards of one-year patient death in each DRI category in ACLF-1 and 2 (Ref: 0 < DRI ≦ 1.2)

A. Overall (2002-2019)



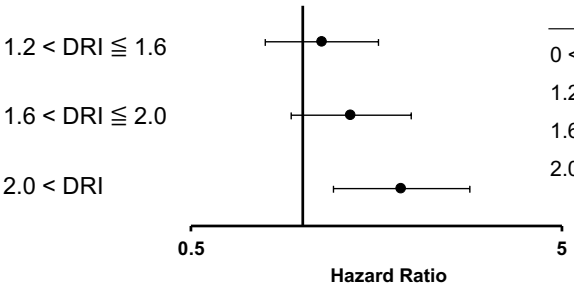
	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	1300 (11.6)	Ref			
1.2 < DRI ≦ 1.6	5317 (47.3)	0.99	0.79	1.23	0.916
1.6 < DRI ≦ 2.0	3047 (27.1)	1.27	1.01	1.60	**0.046**
2.0 < DRI	1238 (11.0)	1.96	1.51	2.53	**<0.001**

B. Era 1 (2002-2007)



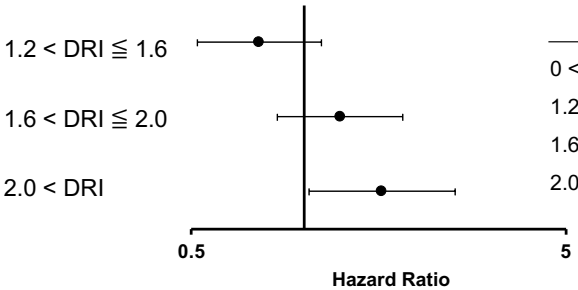
	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	259 (9.8)	Ref			
1.2 < DRI ≦ 1.6	1140 (42.9)	1.10	0.70	1.73	0.672
1.6 < DRI ≦ 2.0	627 (23.6)	1.17	0.71	1.91	0.540
2.0 < DRI	338 (12.7)	2.25	1.36	3.72	**0.002**

C. Era 2 (2008-2013)



	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	496 (12.3)	Ref			
1.2 < DRI ≦ 1.6	1921 (47.5)	1.13	0.79	1.60	0.511
1.6 < DRI ≦ 2.0	1146 (28.4)	1.35	0.93	1.96	0.114
2.0 < DRI	436 (10.8)	1.85	1.21	2.83	**0.004**

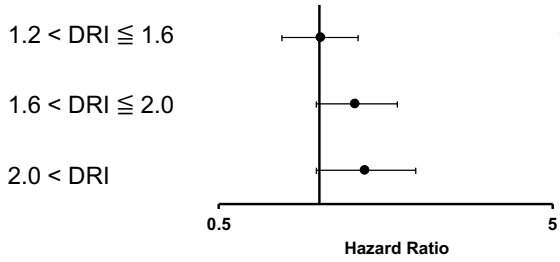
D. Era 3 (2014-2019)



	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	545 (12.0)	Ref			
1.2 < DRI ≦ 1.6	2256 (49.6)	0.76	0.52	1.11	0.151
1.6 < DRI ≦ 2.0	1274 (28.0)	1.25	0.85	1.84	0.250
2.0 < DRI	464 (10.2)	1.62	1.03	2.54	**0.037**

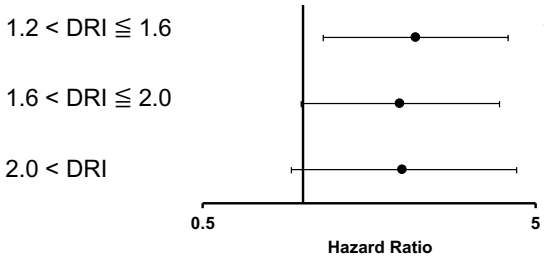
SDC, Figure 2. Adjusted hazards of one-year patient death in each DRI category in ACLF-3 (Ref: 0 < DRI ≦ 1.2)

A. Overall (2002-2019)



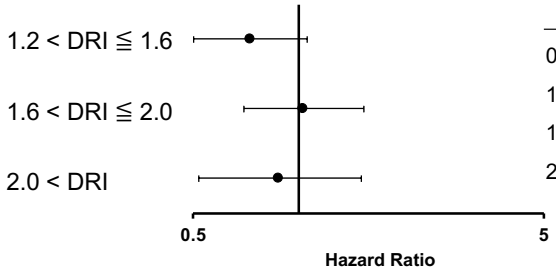
	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	657 (10.9)	Ref			
1.2 < DRI ≦ 1.6	3028 (50.0)	1.01	0.77	1.31	0.971
1.6 < DRI ≦ 2.0	1622 (26.8)	1.29	0.98	1.72	0.074
2.0 < DRI	547 (9.0)	1.38	0.98	1.95	0.069

B. Era 1 (2002-2007)



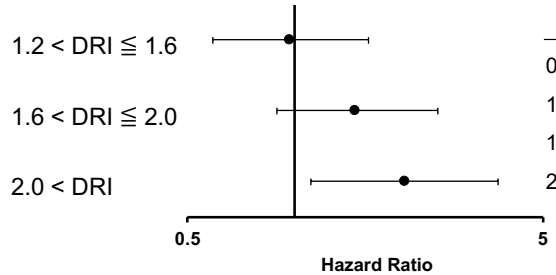
	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	119 (8.6)	Ref			
1.2 < DRI ≦ 1.6	620 (45.1)	2.19	1.15	4.15	**0.017**
1.6 < DRI ≦ 2.0	337 (24.5)	1.97	0.99	3.90	0.051
2.0 < DRI	139 (10.1)	2.00	0.92	4.38	0.082

C. Era 2 (2008-2013)



	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	251 (12.0)	Ref			
1.2 < DRI ≦ 1.6	1028 (49.2)	0.73	0.50	1.06	0.101
1.6 < DRI ≦ 2.0	593 (28.4)	1.03	0.70	1.54	0.870
2.0 < DRI	193 (9.2)	0.88	0.52	1.51	0.652

D. Era 3 (2014-2019)



	n (%)	aHR	lower	upper	P values
0 < DRI ≦ 1.2	287 (11.1)	Ref			
1.2 < DRI ≦ 1.6	1380 (53..3)	0.97	0.59	1.61	0.913
1.6 < DRI ≦ 2.0	692 (26.7)	1.49	0.89	2.52	0.132
2.0 < DRI	215 (8.3)	2.04	1.11	3.73	**0.021**

SDC, Table 1. One-year patient survival rates in each Era based on DRI category

	Era 1 (2002-2007)	Era 2 (2008-2013)	Era 3 (2014-2019)
Overall ACLF			
Overall	80.4	85.2	89.4
0 < DRI ≦ 1.2	85.6	86.2	90.7
1.2 < DRI ≦ 1.6	82.0	86.5	91.1
1.6 < DRI ≦ 2.0	81.2	83.3	87.8
2.0 < DRI	74.4	82.3	82.9
ACLF-1 and 2			
Overall	82.4	87.3	90.1
0 < DRI ≦ 1.2	87.1	88.4	90.5
1.2 < DRI ≦ 1.6	84.9	88.5	92.2
1.6 < DRI ≦ 2.0	84.1	86.1	88.3
2.0 < DRI	73.0	83.4	84.7
ACLF-3			
Overall	76.5	81.1	88.1
0 < DRI ≦ 1.2	82.1	81.8	91.2
1.2 < DRI ≦ 1.6	76.4	82.8	89.4
1.6 < DRI ≦ 2.0	75.9	78.1	86.9
2.0 < DRI	78.0	79.8	78.8
Non-ACLF			
Overall	89.5	91.7	93.6
0 < DRI ≦ 1.2	93.6	93.5	94.5
1.2 < DRI ≦ 1.6	91.0	92.6	94.3
1.6 < DRI ≦ 2.0	88.9	90.9	93.1
2.0 < DRI	86.7	89.9	92.1

ACLF: Acute-on-chronic liver failure, aHR: Adjusted hazard ratio, CI: Confidence interval, DRI, donor risk index

SDC, Table 2. Adjusted hazards of one-year patient death in each DRI category according to eras in HCV patients (ref: Era 1 [2002-2007])

	Era 2 (2008-2013)		Era 3 (2014-2019)	
	aHR (95% CI)	P	aHR (95% CI)	P
Overall ACLF (n=4,097)				
Overall	0.72 (0.61-0.86)	**<0.001**	0.48 (0.38-0.60)	**<0.001**
0 < DRI ≦ 1.2	1.15 (0.59-2.25)	0.674	1.06 (0.49-2.27)	0.889
1.2 < DRI ≦ 1.6	0.64 (0.49-0.82)	**0.001**	0.36 (0.25-0.52)	**<0.001**
1.6 < DRI ≦ 2.0	1.17 (0.81-1.68)	0.397	0.76 (0.48-1.19)	0.226
2.0 < DRI	0.82 (0.50-1.34)	0.426	0.71 (0.38-1.30)	0.262
ACLF-1 and 2 (n=2,636)				
Overall	0.69 (0.56-0.86)	**0.001**	0.52 (0.39-0.70)	**<0.001**
0 < DRI ≦ 1.2	0.81 (0.34-1.94)	0.634	1.13 (0.44-2.89)	0.805
1.2 < DRI ≦ 1.6	0.75 (0.53-1.07)	0.111	0.52 (0.33-0.83)	**0.006**
1.6 < DRI ≦ 2.0	1.18 (0.72-1.95)	0.509	0.86 (0.47-1.54)	0.601
2.0 < DRI	0.92 (0.52-1.62)	0.764	0.57 (0.25-1.27)	0.169
ACLF-3 (n=1,461)				
Overall	0.76 (0.58-1.00)	0.053	0.41 (0.28-0.60)	**<0.001**
0 < DRI ≦ 1.2	2.54 (0.69-9.31)	0.160	1.35 (0.31-5.87)	0.691
1.2 < DRI ≦ 1.6	0.51 (0.35-0.75)	**0.001**	0.21 (0.12-0.38)	**<0.001**
1.6 < DRI ≦ 2.0	1.08 (0.63-1.88)	0.773	0.61 (0.30-1.25)	0.177
2.0 < DRI	0.89 (0.31-2.60)	0.834	2.16 (0.69-6.76)	0.185

Bold type indicates statistically significant differences.

ACLF: Acute-on-chronic liver failure, aHR: Adjusted hazard ratio, CI: Confidence interval, DRI, donor risk index

SDC, Table 3. Adjusted hazards of one-year patient death in each DRI category according to eras in non-HCV patients (n=24,516) (ref: Era 1 [2002-2007])

	Era 2 (2008-2013)		Era 3 (2014-2019)	
	aHR (95% CI)	P	aHR (95% CI)	P
Overall ACLF (n=13,203)				
Overall	0.68 (0.57-0.80)	**<0.001**	0.50 (0.43-0.59)	**<0.001**
0 < DRI ≦ 1.2	0.92 (0.54-1.57)	0.748	0.58 (0.33-1.01)	0.053
1.2 < DRI ≦ 1.6	0.66 (0.50-0.86)	**0.002**	0.44 (0.34-0.57)	**<0.001**
1.6 < DRI ≦ 2.0	0.77 (0.56-1.07)	0.117	0.66 (0.48-0.90)	**0.008**
2.0 < DRI	0.59 (0.38-0.93)	**0.021**	0.57 (0.37-0.88)	**0.011**
ACLF-1 and 2 (n=8,610)				
Overall	0.63 (0.51-0.79)	**<0.001**	0.52 (0.42-0.64)	**<0.001**
0 < DRI ≦ 1.2	0.83 (0.42-1.63)	0.585	0.66 (0.34-1.30)	0.227
1.2 < DRI ≦ 1.6	0.69 (0.48-0.98)	**0.040**	0.46 (0.32-0.67)	**<0.001**
1.6 < DRI ≦ 2.0	0.69 (0.45-1.06)	0.087	0.71 (0.48-1.06)	0.095
2.0 < DRI	0.41 (0.24-0.71)	**0.001**	0.42 (0.25-0.71)	**0.001**
ACLF-3 (n=4,593)				
Overall	0.71 (0.55-0.92)	**0.010**	0.44 (0.34-0.57)	**<0.001**
0 < DRI ≦ 1.2	0.97 (0.37-2.51)	0.944	0.43 (0.16-1.18)	0.102
1.2 < DRI ≦ 1.6	0.57 (0.38-0.85)	**0.005**	0.37 (0.25-0.54)	**<0.001**
1.6 < DRI ≦ 2.0	0.86 (0.53-1.41)	0.559	0.56 (0.34-0.92)	**0.021**
2.0 < DRI	1.38 (0.55-3.46)	0.490	0.90 (0.36-2.27)	0.825

Bold type indicates statistically significant differences.

ACLF: Acute-on-chronic liver failure, aHR: Adjusted hazard ratio, CI: Confidence interval, DRI, donor risk index