### Supplement Table 1: Cause of death of patients with DeCi

| Cause of death                      | 28-days (n=50) | 90-days (n=76) | 6-months (n=91) |
|------------------------------------|----------------|----------------|-----------------|
| Respiratory failure, n (%)         | 15(30%)        | 15(19.7%)      | 15(16.5%)       |
| Hemorrhagic shock, n (%)           | 20(40%)        | 34(44.7%)      | 44(48.4%)       |
| Infectious shock, n (%)            | 4(8%)          | 4(5.3%)        | 5(5.5%)         |
| Hepatic encephalopathy, n (%)      | 4(8%)          | 7(9.2%)        | 10(11.0%)       |
| Hepatorenal syndrome, n (%)        | 3(6%)          | 5(6.6%)        | 5(5.5%)         |
| Liver failure, n (%)               | 4(8%)          | 4(5.3%)        | 4(4.4%)         |
| Uncertain, n (%)                   | 0(0%)          | 7(9.2%)        | 8(8.8%)         |

### Supplementary Table 2: Basic information and treatment differences between those who were lost to follow-up and the overall patient

| Variable                             | Decompensated patients | Loss to follow-up for 28-days (n=31) | P value | Loss to follow-up for 90-days (n=77) | P value | Loss to follow-up for 6-months (n=158) | P value |
|--------------------------------------|------------------------|--------------------------------------|---------|--------------------------------------|---------|---------------------------------------|---------|
| Sex (man), n (%)                     | 344(75.4%)             | 21(67.7%)                            | 0.339   | 54(70.1%)                            | 0.322   | 116(73.4%)                            | 0.614   |
| Age, median (IQR)                    | 53.5(46-63.75)         | 56.5(58-67.5)                        | 0.749   | 57.5(55.5-68.5)                      | 0.562   | 57(56.5-68.5)                         | 0.657   |
| Cause of liver cirrhosis, n (%)      |                        |                                      | 0.341   |                                      |         | 0.171                  |         |
| Viral                                | 276(60.5%)             | 21 (67.7%)                           | 0.897   | 50(71.4%)                            | 0.394   | 95(65.2%)                            | 0.171   |
| Alcoholic                            | 72(15.8%)              | 7(25.8%)                             |         | 17(22.1%)                            |         | 36(26.0%)                            |         |
| Combined alcoholic viral             | 37(8.1%)               | 2(6.5%)                              |         | 5(3.9%)                              |         | 12(4.4%)                             |         |
| Other                                | 28(6.1%)               | 1(3.2%)                              |         | 2(2.3%)                              |         | 6(3.2%)                              |         |
| Cryptogenic                          | 43(9.4%)               | 0(0%)                                |         | 2(2.3%)                              |         | 9(1.9%)                              |         |
| Cause of hospitalization, n (%)      |                        |                                      | 1.093   |                                      | 0.094   |                                      |         |
| Ascites                              | 3(0.7%)                | 0(0%)                                |         | 0(0%)                                |         | 10(0.6%)                             |         |
| Gastrointestinal hemorrhage          | 407(89.2%)             | 28(90.3%)                            |         | 72(93.5%)                            |         | 151(95.6%)                           |         |
| Hepatic encephalopathy               | 22(4.8%)               | 2(6.5%)                              |         | 3(3.9%)                              |         | 4(2.5%)                              |         |
| Infection                            | 24(5.3%)               | 1(3.2%)                              |         | 1(3.2%)                              |         | 2(1.3%)                              |         |
| Ascites degree                       |                        |                                      | 0.954   |                                      | 0.344   |                                      | 0.179   |
| No ascites                           | 195(42.8%)             | 14(45.2%)                            |         | 40(51.9%)                            |         | 79(50.3%)                            |         |
| 1-degree ascites                     | 123(27.0%)             | 9(29.0%)                             |         | 21(27.3%)                            |         | 48(30.4%)                            |         |
| 2-degree ascites                     | 80(17.5%)              | 5(16.2%)                             |         | 9(11.7%)                             |         | 19(12.3%)                            |         |
| 3-degree ascites                     | 58(12.7%)              | 3(9.7%)                              |         | 7(9.1%)                              |         | 12(7.6%)                             |         |
| Acute renal failure, n (%)           | 204(4.4%)              | 1(3.2%)                              | 0.758   | 2(2.6%)                              | 0.466   | 5(3.2%)                              | 0.503   |
| Hepatocellular carcinoma, n (%)      | 56(12.3%)              | 3(9.7%)                              | 0.667   | 11(14.2%)                            | 0.624   | 26(16.5%)                            | 0.184   |
| Therapy, n (%)                       |                        |                                      |         |                                      |         |                                      |         |
| Vasopressor support                  | 144(31.6%)             | 11(35.4%)                            | 0.239   | 16(20.7%)                            | 0.333   | 31(19.6%)                            | 0.105   |
| Mechanical ventilation               | 27(5.9%)               | 3(9.7%)                              | 0.400   | 3(9.7%)                              | 0.476   | 5(3.2%)                              | 0.179   |
| Renal replacement therapy            | 2(4.4%)                | 1(3.2%)                              | 0.179   | 1(3.2%)                              | 0.374   | 1(0.6%)                              | 0.763   |

IQR: interquartile range