**Supplementary Appendix**

**Supplementary Table 1. ICD-9 codes of complications**

|  |  |
| --- | --- |
| Bleeding | 852.0, 852.2, 852.4, 719.1, 430-432, 456.0, 456.20, 459.0, 530.7, 530.82, 531.00, 531.01, 531.20, 531.21, 531.40, 531.41, 531.60, 531.61, 532.00, 532.01, 531.20, 531.21, 532.40, 532.41, 532.61, 533.00, 533.01, 533.20, 533.21, 533.40, 533.41, 533.60, 533.61, 534.00, 534.41, 534.60, 534.61, 535.01, 535.11, 535.21, 535.31, 535.41, 535.51, 535.61, 537.83, 562.02, 562.03, 562.12, 562.13, 568.81, 569.3, 569.85, 578.0, 578.1, 578.9, 423.0, 593.81, 784.8, 360.43, 786.3 |
| Sepsis | 380, 381, 381.0, 381.1, 381.2, 381.9, 384.2, 384.0, 384.1, 384.3, 384.4, 384.9, 331, 202, 223, 362, 382, 383, 545, 388, 389, 449, 790.7, 995.90, 995.91, 995.92 |
| Venous Thrombosis | 415.11, 415.13, 415.19, 673.2, 453.40, 453.41, 453.42, 671.31, 671.33, 671.42, 671.44, 453.2, 453.8, 451.11, 451.19, 451.81, 997.2, 997.3, 453.9, 453.89 |
| Liver failure | 570 |
| Renal failure | 584 |
| Respiratory failure | 518.81, 518.84 |
| Cardiac arrest | 427.5 |

**Supplementary Figure 1:** Standardized mean differences between patients treated at a National Cancer Institute (NCI)-designated cancer center and non-NCI designated cancer center

**Supplementary Table 2.** Traditional multivariable model of the relationship of location of care and complications with 60-day mortality in hospitalized acute myeloid leukemia patients receiving chemotherapy, California 1999–2014\*\*

|  |  |  |
| --- | --- | --- |
| Variable | OR (95% CI) | P-value |
| Hospital type | 0.46 (0.38, 0.56) | <.001 |
| Complications |  |  |
| Major bleeding | 1.60 (1.32, 1.93) | <.001 |
| Sepsis | 1.07 (0.91, 1.24) | 0.419 |
| Thrombosis\* | 0.82 (0.50, 1.35) | 0.431 |
|  NCI-CC | 0.36 (0.09, 1.42) | 0.144 |
|  non NCI-CC | 1.02 (0.59, 1.76) | 0.941 |
| Liver failure | 1.73 (1.06, 2.84) | 0.029 |
| Renal failure | 2.33 (1.97, 2.76) | <.001 |
| Respiratory failure\* | 7.34 (6.06, 8.89) | <.001 |
|  NCI-CC | 5.28 (3.43, 8.14) | <.001 |
|  non NCI-CC | 8.16 (6.56, 10.15) | <.001 |
| Cardiac arrest | 17.32 (9.60, 31.25) | <.001 |
| Leukapheresis (vs None) | 1.63 (1.13, 2.34) | 0.009 |

\*interaction OR are from stratified models

\*\*adjusted for age, sex, year of diagnosis, marital status, insurance, comorbidities