

1 **Supplemental Table 1: Patients Characteristics**

| | | primary cytoreductive surgery | neoadjuvant chemotherapy | p-value* |
|-----------------------------------|---------------------|-------------------------------------|-----------------------------|-----------------------|
| Age (mean) | | 59 | 64 | <2x10 ⁻¹⁶ |
| | | N (%) | N (%) | |
| Charlson Index | | | | 9.4x10 ⁻⁶ |
| | 0 | 21816 (81.7) | 7914 (80.1) | |
| | 1 | 4029 (15.1) | 1569 (15.9) | |
| | 2 | 693 (2.6) | 301 (3) | |
| | >2 | 179 (0.7) | 101 (1) | |
| Year of Diagnosis | | | | <2x10 ⁻¹⁶ |
| | 2006 | 2106 | 389 | |
| | 2007 | 2391 | 446 | |
| | 2008 | 2510 | 540 | |
| | 2009 | 2533 | 672 | |
| | 2010 | 2630 | 785 | |
| | 2011 | 2807 | 920 | |
| | 2012 | 2795 | 1164 | |
| | 2013 | 3096 | 1457 | |
| | 2014 | 2968 | 1665 | |
| | 2015 | 2881 | 1847 | |
| Histology Grade | | | | <2x10 ⁻¹⁶ |
| | Low | 994 (4.2) | 105 (1.5) | |
| | High | 22473 (95.8) | 6765 (98.5) | |
| Location of treatment** | | | | 0.661 |
| | Rural | 473 (1.8) | 181 (1.9) | |
| | Metropolitan | 21661 (82.5) | 7963 (83.6) | |
| | Urban | 3667 (14.0) | 1386 (14.5) | <2x10 ⁻¹⁶ |
| Histology Type | | | | <2x10 ⁻¹⁶ |
| | Mucinous | 768 (2.9) | 94 (1.0) | |
| | Other epithelial | 25949 (97.1) | 9791 (99.0) | |
| FIGO Stage | | | | <2x10 ⁻¹⁶ |
| | III | 20719 (77.5) | 5647 (57.1) | |
| | IV | 5998 (22.5) | 4238 (42.9) | |
| Residual disease after surgery | | | | <2x10 ⁻¹⁶ |
| | R0 | 10104 (56.1) | 4169 (65.4) | |
| | R1 | 7910 (43.9) | 2203 (34.6) | |
| 30 days Mortality after | | | | 4.2x10 ⁻¹³ |

| | | | | |
|--|--------------|---------------------|--------------------|--------------|
| surgery | | | | |
| | Alive | 23286 (99.7) | 7788 (99) | |
| | Dead | 74 (0.3) | 80 (1) | |
| 90 days Mortality after surgery | | | | 0.005 |
| | Alive | 22802 (97.8) | 7612 (97.3) | |
| | Dead | 503 (2.2) | 212 (2.7) | |

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3 *Univariate logistic regression analysis

4 **Classification of location of treatment center: Rural: located in a pure rural county;
 5 Metropolitan: treatment center located in the county of a metropolitan area; Urban: center
 6 located in a urban area.

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