## Appendix 1. ICD-9 Procedure and Diagnosis Codes

ICD-9 Procedure Codes for Gynecologic Surgeries 0.1, 0.11, 0.14, 0.17, 0.28, 0.4, 0.45, 0.66, 1.1, 1.51, 2.12, 2.21, 3.31, 3.9, 3.91, 3.93, 3.95, 4.43, 4.81, 4.92, 4.93, 5.24, 5.31, 6.11, 17.13, 17.33, 17.36, 17.41, 17.42, 17.43, 17.49, 23.09, 27.24, 31.1, 31.42, 33.21, 33.22, 33.23, 33.24, 33.27, 34.04, 34.09, 34.2, 34.2, 34.23, 34.24, 34.27, 34.81, 34.84, 34.91, 34.92, 36.06, 37.12, 37.22, 37.72, 37.83, 37.94, 38.57, 38.67, 38.7, 38.8, 38.86, 38.87, 38.91, 38.93, 38.95, 38.97, 38.99, 39.3, 39.31, 39.32, 39.5, 39.79, 39.95, 39.98, 40.11, 40.19, 40.24, 40.29, 40.3, 40.52, 40.53, 40.54, 40.59, 41.31, 41.42, 41.5, 41.99, 43.11, 43.19, 43.42, 43.89, 44.39, 44.43, 44.99, 45.13, 45.15, 45.16, 45.23, 45.24, 45.25, 45.26, 45.31, 45.33, 45.34, 45.41, 45.49, 45.61, 45.62, 45.72, 45.73, 45.74, 45.75, 45.76, 45.79, 45.8, 45.9, 45.91, 45.93, 45.94, 45.95, 46.01, 46.03, 46.1, 46.11, 46.13, 46.2, 46.21, 46.23, 46.32, 46.39, 46.42, 46.51, 46.52, 46.64, 46.73, 46.75, 46.79, 46.82, 46.93, 46.99, 47.01, 47.09, 47.11, 47.19, 48, 48.21, 48.23, 48.24, 48.29, 48.34, 48.35, 48.52, 48.62, 48.63, 48.69, 48.71, 48.75, 48.76, 48.82, 48.99, 49.01, 49.03, 49.04, 49.12, 49.21, 49.22, 49.23, 49.31, 49.39, 49.46, 49.49, 49.71, 49.79, 50.11, 50.12, 50.14, 50.23, 50.26, 50.29, 50.3, 50.61, 51.22, 51.23, 51.93, 52.12, 52.22, 52.4, 52.52, 52.59, 53.02, 53.29, 53.41, 53.42, 53.43, 53.49, 53.51, 59, 53.61, 53.62, 53.63, 53.69, 53.71, 53.9, 54, 54.11, 54.12, 54.19, 54.21, 54.22, 54.23, 54.24, 54.25, 54.3, 54.4, 54.51, 54.59, 54.61, 54.62, 54.63, 54.64, 54.72, 54.74, 54.75, 54.91, 54.92, 54.93, 54.95, 54.96, 54.98, 54.99, 55.03, 55.32, 55.4, 55.51, 55.93, 56.41, 56.51, 56.52, 56.74, 56.75, 56.82, 56.89, 57, 57.12, 57.17, 57.18, 57.32, 57.33, 57.34, 57.41, 57.49, 57.59, 57.6, 57.79, 57.81, 57.84, 57.87, 57.89, 57.93, 57.94, 57.95, 57.99, 58, 58.22, 58.23, 58.24, 58.31, 58.39, 58.41, 58.43, 58.5, 58.6, 58.99, 59, 59.02, 59.03, 59.09, 59.11, 59.12, 59.3, 59.4, 59.5, 59.6, 59.71, 59.79, 59.8, 59.92, 59.99, 64, 65.01, 65.09, 65.11, 65.12, 65.13, 65.22, 65.24, 65.25, 65.29, 65.31, 65.39, 65.41, 65.49, 65.51, 65.52, 65.53, 65.54, 65.61, 65.62, 65.63, 65.64, 65.71, 65.74, 65.75, 65.76, 65.79, 65.81, 65.89, 65.91, 65.93, 65.95, 65.99, 66.01, 66.02, 66.11, 66.22, 66.29, 66.32, 66.39, 66.4, 66.51, 66.52, 66.61, 66.62, 66.69, 66.79, 66.8, 66.91, 66.92, 66.94, 66.95, 66.99, 67, 67.11, 67.12, 67.2, 67.32, 67.33, 67.39, 67.4, 67.51, 67.59, 67.61, 67.69, 68, 68.11, 68.12, 68.13, 68.14, 68.15, 68.16, 68.21, 68.22, 68.23, 68.24, 68.25, 68.29, 68.31, 68.39, 68.4, 68.41, 68.49, 68.51, 68.59, 68.6, 68.61, 68.69, 68.7, 68.71, 68.79, 68.8, 68.9, 69.01, 69.02, 69.09, 69.19, 69.22, 69.23, 69.29, 69.41, 69.49, 69.51, 69.52, 69.59, 69.7, 69.91, 69.93, 69.95, 69.96, 69.98, 69.99, 70.11, 70.12, 70.13, 70.14, 70.21, 70.23, 70.24, 70.31, 70.32, 70.33, 70.4, 70.5, 70.51, 70.52, 70.53, 70.54, 70.55, 70.62, 70.71, 70.73, 70.75, 70.76, 70.77, 70.78, 70.79, 70.8, 70.91, 70.92, 70.93, 70.94, 70.95, 71.01, 71.09, 71.11, 71.22, 71.23, 71.24, 71.3, 71.4, 71.5, 71.61, 71.62, 71.71, 71.72, 71.79, 71.8, 71.9, 72,72.52, 72.54, 72.71, 72.79, 72.9, 73.01, 73.09, 73.1, 73.4, 73.59, 73.6, 74, 74.1, 74.3, 74.4, 74.91, 75, 75.1, 75.32, 75.34, 75.35, 75.36, 75.37, 75.4, 75.51, 75.61, 75.62, 75.69, 75.7, 75.8, 75.91, 75.92, 75.99, 77.69, 77.89, 78.69, 79.08, 79.39, 79.67, 79.49, 80.6, 82.21, 83.09, 83.21, 83.39, 83.4, 83.44, 83.45, 83.65, 83.82, 83.87, 83.95, 83.97, 85, 85.21, 85.23, 85.32, 85.42, 85.43, 85.54, 85.55, 85.6, 85.86, 85.87, 85.89, 85.96, 86.02, 86.04, 86.05, 86.06, 86.07, 86.09, 86.11, 86.22, 86.28, 86.3, 86.4, 86.59, 86.63, 86.67, 86.74, 86.83, 86.84, 86.87, 86.94, 86.95, 86.96, 86.97, 87.03, 87.41, 87.43, 87.44, 87.53, 87.74, 87.75, 87.77, 87.78, 87.82, 87.83, 88.01, 88.19, 88.23, 88.26, 88.38, 88.42, 88.45, 88.47, 88.48, 88.49, 88.51, 88.53, 88.55, 88.56, 88.62, 88.66, 88.72, 88.73, 88.74, 88.76, 88.78, 88.79, 88.93, 88.95, 89.24, 89.26, 89.34, 89.36, 89.38, 89.39, 89.49, 89.52, 89.62, 89.64, 89.7, 91.46, 92.16, 92.27, 92.28, 92.29, 93.01, 93.56, 93.59, 93.9, 93.94, 96.04, 96.05, 96.07, 96.09, 96.14, 96.16, 96.18, 96.25, 96.38, 96.47, 96.49, 96.59, 96.6, 96.71,

Jorgensen EM, Li A, Modest AM, Leung K, Moore Simas TA, Hur H-C. Incidence of venous thromboembolism after different modes of gynecologic surgery. Obstet Gynecol 2018; 132.

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|                  | 96.72, 97.23, 97.25, 97.55, 97.61, 97.62, 97.71, 97.74, 97.75, 97.79, 97.82, 97.85, 97.89, 98.16, 98.17, 98.19, 99.04, 99.05, 99.06, 99.07, 99.1,.11, 99.14, 99.15, 99.2, 99.21, 99.23, 99.24, 99.25, 99.26, 99.67, 99.67, 99.67, 99.67, 99.67, 99.67, 99.77 |
|------------------|--|
| ICD 0 Diagnosis  | 99.23, 99.24, 99.25, 99.29, 99.52, 99.55, 99.57, 99.6, 99.62, 99.63, 99.71, 99.77  |
| ICD-9 Diagnosis  | 415.1, 415.11, 415.12, 415.13, 415.19, 451, 451.1, 451.11, 451.19, 451.2, 451.8, 451.81,   |
| Codes for Venous | 451.82, 451.83, 451.84, 451.89, 451.9, 452, 453, 453.1, 453.2, 453.3, 453.4, 453.41,   |
| Thromboembolisms | 453.42, 453.6, 453.72, 453.8, 453.81, 453.82, 453.83, 453.84, 453.85, 453.86, 453.87,  |
|                  | 453.89, 453.9, 671, 671.3, 671.3, 671.31, 671.33, 671.4, 671.4, 671.42, 671.44, 671.5,   |
|                  | 671.5, 671.51, 671.52, 671.53, 671.54, 671.9, 671.9, 671.91, 671.92, 671.93, 671.94,   |
|                  | 673, 673.2, 673.21, 673.22, 673.23, 673.24   |

## Appendix 2. Distribution of surgeries by institution

| Institution        | BIDMC                  |                        |                   |                  | UMMHC                  |                        |                      |               |
|--------------------|------------------------|------------------------|-------------------|------------------|------------------------|------------------------|----------------------|---------------|
| Type of<br>Surgery | All Surgery<br>n=24903 | Hysterectomy<br>n=4196 | Myomectomy n=1432 | Other<br>n=19272 | All Surgery<br>n=18848 | Hysterectomy<br>n=4077 | Myomectomy<br>n=1419 | Other n=13352 |
| Abdominal          | 3436 (13.8)            | 2067 (49.3)            | 550 (38.4)        | 1017 (5.3)       | 3564 (18.9)            | 2630 (64.5)            | 95 (6.7)             | 839 (6.3)     |
| Laparoscopic       | 5876 (23.6)            | 1857 (44.3)            | 189 (13.2)        | 3830 (19.9)      | 4697 (24.9)            | 951 (23.3)             | 244 (17.2)           | 3502 (26.2)   |
| Vaginal            | 15393 (61.8)           | 272 (6.5)              | 693 (48.4)        | 14428 (74.9)     | 10587 (56.2)           | 496 (12.2)             | 1080 (76.1)          | 9011 (67.5)   |

Data are presented as n (%).