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| Supplemental Table 1- Total number of high confidence MAP proportions (CI <0.05) and MAP measurements for subgroups used in model development and validation. Totals are shown for both training (Train) and validation (Valid) datasets. |
| **ID** | **HighConfidence\_MAP\_Proportions\_Train, Total Count** | **MAP\_measurements (65-100)\_Train, Total Count** | **HighConfidence\_MAP\_Proportions\_Valid, Total Count** | **MAP\_measurements (65-100)\_Valid, Total Count** |
| 0\_1\_Female\_Q1 | 36 | 54767 | 33 | 21164 |
| 0\_1\_Male\_Q1 | 36 | 72502 | 34 | 39102 |
| 0\_2\_Female\_Q1 | 36 | 277294 | 36 | 79631 |
| 0\_2\_Female\_Q2 | 36 | 237838 | 35 | 57938 |
| 0\_2\_Female\_Q3 | 36 | 152195 | 31 | 38853 |
| 0\_2\_Female\_Q4 | 36 | 96073 | 29 | 27988 |
| 0\_2\_Male\_Q1 | 36 | 313017 | 36 | 99129 |
| 0\_2\_Male\_Q2 | 36 | 229423 | 34 | 55523 |
| 0\_2\_Male\_Q3 | 36 | 147238 | 32 | 41819 |
| 0\_2\_Male\_Q4 | 36 | 81050 | 30 | 27365 |
| 0\_3\_Female\_Q1 | 36 | 180262 | 36 | 71087 |
| 0\_3\_Female\_Q2 | 36 | 305312 | 36 | 106312 |
| 0\_3\_Female\_Q3 | 36 | 315619 | 36 | 118497 |
| 0\_3\_Female\_Q4 | 36 | 395955 | 36 | 142433 |
| 0\_3\_Male\_Q1 | 36 | 194472 | 36 | 78453 |
| 0\_3\_Male\_Q2 | 36 | 357044 | 36 | 118025 |
| 0\_3\_Male\_Q3 | 36 | 390384 | 36 | 158719 |
| 0\_3\_Male\_Q4 | 36 | 434264 | 36 | 176693 |
| 0\_4\_Male\_Q2 | 36 | 63536 | 33 | 35725 |
| 0\_4\_Male\_Q3 | 36 | 83024 | 36 | 52327 |
| 0\_4\_Male\_Q4 | 36 | 97091 | 36 | 62711 |
| 0\_4\_Female\_Q4 | 35 | 65662 | 32 | 36576 |
| 0\_4\_Female\_Q3 | 34 | 48530 | 29 | 26539 |
| 0\_4\_Male\_Q1 | 34 | 42424 | 29 | 20666 |
| 1\_2\_Male\_Q1 | 34 | 48380 | 27 | 14254 |
| 0\_4\_Female\_Q2 | 33 | 41415 | 29 | 20044 |
| 1\_4\_Male\_Q3 | 33 | 34415 | 28 | 20603 |
| 0\_4\_Female\_Q1 | 32 | 27280 | 27 | 15818 |
| 1\_3\_Male\_Q1 | 32 | 30623 | 23 | 12547 |
| 1\_3\_Male\_Q2 | 32 | 34019 | 24 | 13469 |
| 1\_3\_Male\_Q3 | 31 | 30847 | 25 | 13694 |
| 1\_4\_Male\_Q2 | 31 | 28631 | 24 | 15252 |
| 1\_3\_Male\_Q4 | 30 | 28962 | 21 | 12334 |
| 1\_4\_Male\_Q1 | 30 | 23440 | 23 | 13158 |
| 1\_4\_Male\_Q4 | 30 | 32758 | 26 | 19758 |
| 1\_3\_Female\_Q4 | 28 | 28157 | 21 | 10784 |
|   | % Total HighConfidence MAP Proportions, Training | % Total MAP measurements (65-100), Training | % Total HighConfidence MAP Proportions, Validation | % Total MAP measurements (65-100), Validation |
|   | 76.5 | 92.2 | 88.5 | 94.0 |
| CI- confidence interval, MAP- Mean arterial pressure |  |
| Subgroup ID defintions: Column 1 (Emergent surgery yes-1, no-0), Column 2 (ASA PS class I-IV), Column 3 (Gender Male/Female), Column 4 (Age Quartile Q1-4) |