Supplementary Material 7. Breast Cancer Screening Participation Rate Change (2019 vs. 2020, % change and % point difference) per Month by Geographical Region

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Eligible population |  | Total | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| **Total** | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| 2019 | 6,109,269 　 | Participant | 3,894,928  | 214,127  | 232,934  | 305,764  | 292,901  | 290,877  | 268,935  | 298,842  | 307,646  | 259,522  | 386,241  | 448,773  | 588,366  |
| Participants per 1,000 | 638 | 35 | 38 | 50 | 48 | 48 | 44 | 49 | 50 | 42 | 63 | 73 | 96 |
| 2020 | 5,912,890 | Participant | 3,299,516  | 177,016  | 148,205  | 109,132  | 161,413  | 239,075  | 294,452  | 319,079  | 306,096  | 284,091  | 405,357  | 454,590  | 401,010  |
| Participants per 1,000 | 558 | 30 | 25 | 18 | 27 | 40 | 50 | 54 | 52 | 48 | 69 | 77 | 68 |
| 　 | 　 | %p | -8.0 | -0.5 | -1.3 | -3.2 | -2.1 | -0.7 | 0.6 | 0.5 | 0.1 | 0.6 | 0.5 | 0.3 | -2.8 |
| 　 | 　 | % | -12.5 | -14.6 | -34.3 | -63.1 | -43.1 | -15.1 | 13.1 | 10.3 | 2.8 | 13.1 | 8.4 | 4.7 | -29.6 |
| **Capital** | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| 2019 | 2,917,160　 | Participant | 1,859,299  | 78,947  | 97,715  | 136,161  | 135,250  | 137,865  | 131,366  | 142,281  | 149,522  | 128,041  | 193,708  | 228,151  | 300,292  |
| Participants per 1,000 | 637  | 27  | 33  | 47  | 46  | 47  | 45  | 49 | 51  | 44  | 66  | 78  | 103  |
| 2020 | 2,842,524 　 | Participant | 1,579,110  | 67,525  | 60,229  | 50,989  | 73,571  | 111,156  | 134,297  | 151,577  | 148,880  | 141,871  | 204,356  | 232,264  | 202,395  |
| Participants per 1,000 | 556  | 24  | 21  | 18  | 26  | 39  | 47  | 53  | 52  | 50  | 72  | 82  | 71  |
| 　 | 　 | %p | -8.2 | -0.3 | -1.2 | -2.9 | -2.0 | -0.8 | 0.2 | 0.5 | 0.1 | 0.6 | 0.5 | 0.4 | -3.2 |
| 　 | 　 | % | -12.8 | -12.2 | -36.7 | -61.6 | -44.2 | -17.3 | 4.9 | 9.3 | 2.2 | 13.7 | 8.3 | 4.5 | -30.8 |
| **Central** | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| 2019 | 845,308 　 | Participant | 550,477  | 40,280  | 37,757  | 47,073  | 42,277  | 40,928  | 36,240  | 41,480  | 42,036  | 36,230  | 52,253  | 57,301  | 76,622  |
| Participants per 1,000 | 651  |  48  |  45  |  56  |  50  |  48  |  43  |  49  |  50  |  43  |  62  |  68  |  91  |
| 2020 | 818,088 　 | Participant | 465,654  | 31,860  | 24,734  | 15,726  | 24,125  | 34,048  | 41,911  | 45,643  | 42,001  | 38,699  | 54,051  | 59,202  | 53,654  |
| Participants per 1,000 |  569  |  39  |  30  |  19  |  29  |  42  |  51  |  56  |  51  |  47  |  66  |  72  |  66  |
| 　 | 　 | %p | -8.2 | -0.9 | -1.4 | -3.6 | -2.1 | -0.7 | 0.8 | 0.7 | 0.2 | 0.4 | 0.4 | 0.5 | -2.5 |
| 　 | 　 | % | -12.6 | -18.3 | -32.3 | -65.5 | -41.0 | -14.0 | 19.5 | 13.7 | 3.2 | 10.4 | 6.9 | 6.8 | -27.6 |
| **Southwestern** | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| 2019 | 722,990 　 | Participant | 478,206  | 35,922  | 36,260  | 41,414  | 36,226  | 34,541  | 31,642  | 35,925  | 35,103  | 30,611  | 44,831  | 49,646  | 66,085  |
| Participants per 1,000 |  661  |  50  |  50  |  57  |  50  |  48  |  44  |  50  |  49  |  42  |  62  |  69  |  91  |
| 2020 | 692,605 　 | Participant | 399,709  | 29,341  | 22,001  | 17,120  | 21,857  | 30,588  | 37,633  | 34,414  | 33,960  | 31,995  | 47,299  | 49,624  | 43,877  |
| Participants per 1,000 |  577  |  42  |  32  |  25  |  32  |  44  |  54  |  50  |  49  |  46  |  68  |  72  |  63  |
| 　 | 　 | %p | -8.4 | -0.7 | -1.8 | -3.3 | -1.9 | -0.4 | 1.1 | 0.0 | 0.0 | 0.4 | 0.6 | 0.3 | -2.8 |
| 　 | 　 | % | -12.7 | -14.7 | -36.7 | -56.8 | -37.0 | -7.6 | 24.2 | 0.0 | 1.0 | 9.1 | 10.1 | 4.3 | -30.7 |
| **Southeastern** | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |
| 2019 | 1,623,811 　 | Participant | 1,006,946  | 58,978  | 61,202  | 81,116  | 79,148  | 77,543  | 69,687  | 79,156  | 80,985  | 64,640  | 95,449  | 113,675  | 145,367  |
| Participants per 1,000 |  620  |  36  |  38  |  50  |  49  |  48  |  43  |  49  |  50  |  40  |  59  |  70  |  90  |
| 2020 | 1,559,673 　 | Participant | 855,043  | 48,290  | 41,241  | 25,297  | 41,860  | 63,283  | 80,611  | 87,445  | 81,255  | 71,526  | 99,651  | 113,500  | 101,084  |
| Participants per 1,000 |  548  |  31  |  26  |  16  |  27  |  41  |  52  |  56  |  52  |  46  |  64  |  73  |  65  |
| 　 | 　 | %p | -7.2 | -0.5 | -1.1 | -3.4 | -2.2 | -0.7 | 0.9 | 0.7 | 0.2 | 0.6 | 0.5 | 0.3 | -2.5 |
| 　 | 　 | % | -11.6 | -14.8 | -29.8 | -67.5 | -44.9 | -15.0 | 20.4 | 15.0 | 4.5 | 15.2 | 8.7 | 4.0 | -27.6 |