Appendix. Characteristics of Cancer Survivors\* with and without SPD by Age, Insurance Type, Access to Care and Preventive Services Use (Age-adjusted percentages**†**)

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|  | **Age 18-64, (Age adjusted†)** | | | | | | |
|  | **SPD\*\*** | | |  | **No SPD\*\*** | | |
|  | ***Private*** | ***Public only*** | ***Uninsured*** |  | ***Private*** | ***Public only*** | ***Uninsured*** |
|  | ***n ; % (95%CI)*** | ***n; % (95%CI)*** | ***n ; % (95%CI)*** |  | ***n ; % (95%CI)*** | ***n ; % (95%CI)*** | ***n ; % (95%CI)*** |
| **Total a** | 257; 35.4 (29.5,41.9) | 370; 45.2 (38.4,52.2) | 108; 19.4 (14.0, 26.1) |  | 3840; 72.1 (69.2, 74.5) | 1158; 16.2 (14.1, 18.5) | 636; 11.8 (10.1, 13.7) |
| **Access to Care** |  |  |  |  |  |  |  |
| Usual Source of Care |  |  |  |  |  |  |  |
| Yes | 235; 90.1 (77.9, 95.9) | 321; 81.7 (74.0, 87.5) | 66; 53.1 (40.5, 65.3) |  | 3412; 82.9 (80.2, 85.2) | 991; 81.8 (71.9, 85.2) | 385; 55.8 (49.9, 61.6) |
| **Preventive Services a** |  |  |  |  |  |  |  |
| Blood pressure checked in last 2 years | 245; 98.6 (97.5, 99.3) | 358; 98.0 (95.5, 99.1) | 95; 84.5 (72.1, 92.0) |  | 3731; 97.3 (96.4, 98.0) | 1114; 95.6 (93.0, 97.2) | 554; 85.1 (80.5, 88.7) |
| Cholesterol checked in last 2 years | 227; 86.1 (73.9, 93.1) | 314; 75.7 (67.8, 82.2) | 69; 53.4 (42.2, 64.3) |  | 3299; 75.4 (72.3, 78.3) | 963; 72.4 (66.8, 77.4) | 406; 56.0 (50.0, 61.9) |
| Influenza vaccination in the last year | 129; 41.5 (28.2, 56.1) | 174; 38.0 (31.3, 45.1) | 28; 18.8 (12.0, 28.1) |  | 1989; 41.6 (38.7, 44.6) | 556; 40.6 (35.5, 45.9) | 176; 21.2 (17.1, 26.0) |
| Routine check-up in the last year | 199; 77.2 (65.3, 85.9) | 305; 76.5 (69.1, 82.5) | 57; 41.2 (31.8, 51.3) |  | 3034; 71.4 (68.4, 74.3) | 937; 72.8 (68.6, 76.7) | 354 ; 51.4 (45.4, 57.4) |
| Dental check-up at least once in the last year | 124; 58.3 (48.4, 67.5) | 133; 34.0 (26.5, 42.4) | 20; 15.2 (8.2, 26.5) |  | 2863; 72.8 (69.4, 75.9) | 480; 43.1 (38.4, 47.9) | 224; 32.9 (27.4, 38.9) |
| ***Cancer screening (among age- and gender-eligible individuals)b,c*** |  |  |  |  |  |  |  |
| Breast cancer screening (mammogram within 2 years) among women aged >=40 years**d** | 81; 60.2 (47.4, 71.8) | 111; 59.6 (50.7, 68.0) | 23; 35.2 (21.4, 52.0) |  | 1043; 75.9 (71.9, 79.5) | 323; 64.1 (58.2, 69.7) | 132; 47.9(40.0, 55.9) |
| Cervical cancer screening (Pap test within 3 years) among women aged 21-65 years.**d,e** | 106; 66.6 (52.7, 78.2) | 153; 71.6 (63.0, 79.0) | 40; 67.4 (48.5, 82.0) |  | 1690; 86.4 (82.8, 89.3) | 469; 76.6 (68.8, 82.9) | 230; 76.0 (68.1, 82.4) |
| Colorectal cancer screening (FOBT within 1 year, sigmoidoscopy within 5 years, or colonoscopy within 10 years) among adults aged 50-75 years. | 101; 58.3 (45.7, 69.8) | 101; 56.6 (46.9, 65.8) | 18; 69.6 (51.5, 83.2) |  | 1743; 68.7 (65.6, 71.7) | 367; 60.7 (54.9, 66.2) | 103; 35.4 (27.9, 43.7) |

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|  | **Age ≥65, (Age adjusted†)** | | | | | | |
|  | **SPD\*\*** | | |  | **No SPD\*\*** | | |
|  | ***Medicare onlyb*** | ***Medicare+privateb*** | ***Medicare+publicb*** |  | ***Medicare onlyb*** | ***Medicare+privateb*** | ***Medicare+publicb*** |
|  | ***n ; % (95%CI)*** | ***n ; % (95%CI)*** | ***n ; % (95%CI)*** |  | ***n ; % (95%CI)*** | ***n ; % (95%CI)*** | ***n ; % (95%CI)*** |
| **Totala** | 130; 39.7 (32.7, 47.2) | 99; 36.5 (29.7, 44.0) | 101; 23.8 (18.2, 30.5) |  | 2085; 34.8 (32.4, 37.2) | 3028; 57.6 (55.1, 60.1) | 707; 7.6 (6.6, 8.8) |
| **Access to Care** |  |  |  |  |  |  |  |
| Usual Source of Care |  |  |  |  |  |  |  |
| Yes | 121; 91.1 (80.8, 96.2) | 91; 93.1 (85.6, 96.8) | 97; 97.7 (93.6, 99.2) |  | 1952; 94.3 (92.9, 95.4) | 2891; 95.8 (94.8, 96.7) | 661; 94.2 (91.7, 96.0) |
| **Preventive Servicesa** |  |  |  |  |  |  |  |
| Blood pressure checked in last 2 years | 117; 87.9 (79.3, 93.2) | 92; 92.9 (85.9, 96.6) | 90; 89.6 (78.1, 95.5) |  | 2022; 97.5 (96.6, 98.1) | 2942; 97.5 (96.7, 98.1) | 690; 98.2 (96.7, 99.0) |
| Cholesterol checked in last 2 years | 113; 87.0 (78.5, 92.5) | 87; 87.9 (77.1, 94.0) | 86; 86.4 (75.3, 92.9) |  | 1934; 93.7 (92.1, 94.9) | 2817; 93.2 (92.0, 94.3) | 665; 94.7 (92.2, 96.5) |
| Influenza vaccination in the last year | 85; 65.4 (55.5, 74.2) | 74; 76.9 (66.2, 84.9) | 63; 61.3 (48.7, 72.6) |  | 1511; 75.1 (72.4, 77.5) | 234; 77.7 (75.5, 79.8) | 492; 70.0 (64.8, 74.8) |
| Routine check-up in the last year | 100; 73.1 (64.2, 80.5) | 83; 81.6 (70.6, 89.1) | 87; 83.2 (67.9, 92.0) |  | 1871; 90.0 (88.2, 91.6) | 2748; 91.1 (89.7, 92.3) | 642 ; 91.8 (88.6, 94.1) |
| Dental check-up at least once in the last year | 38; 28.1 (19.8, 38.3) | 45; 48.3 (36.4, 60.4) | 26; 16.8 (10.2, 26.4) |  | 1144; 60.2 (56.9, 63.5) | 1993; 69.4 (66.7, 71.9) | 212; 34.0 (28.5, 39.9) |
| ***Cancer screening (among age- and gender-eligible individuals)c*** |  |  |  |  |  |  |  |
| Breast cancer screening (mammogram within 2 years) among women aged >=40 years**d** | 18; 48.5 (31.6, 65.7) | 16; 52.1 (37.2, 66.7) | 22; 41.5 (27.3, 57.4) |  | 416; 66.5 (60.6, 71.9) | 613; 73.1 (68.6, 77.1) | 198; 62.6 (54.2, 70.4) |
| Cervical cancer screening (Pap test within 3 years) among women aged 21-65 years.**d,e** | \_\_ | \_\_ | \_\_ |  | \_\_ | \_\_ | \_\_ |
| Colorectal cancer screening (FOBT within 1 year, sigmoidoscopy within 5 years, or colonoscopy within 10 years) among adults aged 50-75 years. | 36; 64.8 (48.7, 78.2) | 29; 77.8 (61.5, 88.5) | 27; 69.8 (53.0, 82.5) |  | 754; 77.8 (73.8, 81.3) | 1253; 80.9 (77.5, 83.9) | 239; 67.7 (60.6, 74.2) |

\* Non-melanoma skin cancer cases were excluded.

\*\* SPD: serious psychological distress: calculated using 6-question scale developed by Kessler et al to measure psychosocial distress; individuals missing / unknown SPD status were excluded from the analyses. Questions included: During the last 30 days, how often did you feel 1) nervous, 2) hopeless, 3) restless or fidgety, 4) so sad that nothing could cheer you up, 5) that everything was an effort, 6) worthless? Response options were: none of the time, a little, some, most, and all of the time, scored on a scale of 0 to 4, respectively. The total score ranged from 0 to 24 and persons with an average score of ≥13 was identified as having SPD, per Kessler’s recommendations.9

**†** Age-adjusted percentages to the 2000 U.S. census population using the direct method for age groups 18–34, 35-44, 45–54,55-64, and ≥65.

Notes:

1. Total for preventive services and cancer screening rows varies as each row are subpopulation of total based on individual selection criteria.
2. Variable that identify specified Medicare insurance type categories above were not available in years prior to 2011. For age =>65 group, Medicare categories were consturcted using Medicare, Medicaid, Tricare, other public insurance and private insurance variables. TRICARE is considered as private to be consistent with other 18-64 age group categories.
3. Individuals with corresponding cancer diagnosis were excluded.
4. Breast and cervical cancer screening subpopulation is only female.
5. Not able to exclude individuals with cervix removed as the information was not available in the data.