Research article

Sources of health information among U.S. cancer survivors: results from the health information national trends survey (HINTS)

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Appendix
**Supplemental Table 1.** Unadjusted multinomial logistic regression model predicting factors associated with sources of health information seeking of cancer survivors using HINTS 4 Cycles 1–4 (2011–2014) and HINTS 5 Cycles 1–2 (2017–2018).

|                                | Interpersonal Communication Vs Non-Seekers | Media Vs Non-Seekers |
|--------------------------------|-------------------------------------------|----------------------|
|                                | OR     | CI       | p value | OR     | CI       | p value |
| Race/Ethnicity                 |        |          |         |        |          |         |
| Non-Hispanic White             | 1.00   | 1.00     |         | 1.00   | 1.00     |         |
| Non-Hispanic Black             | 1.09   | 0.63     | 1.89    | 0.746  | 0.63     | 1.11    | 0.109  |
| Hispanic                       | 0.72   | 0.39     | 1.35    | 0.311  | 0.49     | 0.29    | 0.82   | 0.007  |
| Non-Hispanic Other             | 1.54   | 0.70     | 3.43    | 0.283  | 0.66     | 0.33    | 1.29   | 0.222  |
| Time Since diagnosis           |        |          |         |        |          |         |
| ≤5 years                       | 1.00   |          |         | 1.00   |          |         |
| > 5 years                      | 1.14   | 0.77     | 1.69    | 0.521  | 1.14     | 0.80    | 1.64   | 0.468  |
| Age                            |        |          |         |        |          |         |
| < 50 years                     | 1.00   |          |         | 1.00   |          |         |
| 50 - 64 years                  | 1.97   | 0.98     | 3.96    | 0.056  | 1.48     | 0.81    | 2.70   | 0.201  |
| ≥65 years                      | 1.95   | 1.02     | 3.73    | 0.043  | 0.77     | 0.44    | 1.34   | 0.358  |
| Gender                         |        |          |         |        |          |         |
| Female                         | 1.00   |          |         | 1.00   |          |         |
| Male                           | 0.92   | 0.64     | 1.33    | 0.655  | 0.77     | 0.56    | 1.07   | 0.125  |
| Education Level                |        |          |         |        |          |         |
| Some College or more           | 1.00   |          |         | 1.00   |          |         |
| High School or less            | 0.57   | 0.39     | 0.83    | 0.003  | 0.25     | 0.17    | 0.36   | 0.000  |
| Employment Status              |        |          |         |        |          |         |
| Unemployed                     | 1.00   |          |         | 1.00   |          |         |
| Employed                       | 0.78   | 0.42     | 1.44    | 0.428  | 1.43     | 0.85    | 2.43   | 0.180  |
| Retired                        | 0.90   | 0.51     | 1.59    | 0.715  | 0.95     | 0.61    | 1.49   | 0.830  |
| Income                         |        |          |         |        |          |         |
| < $50,000                      | 1.00   |          |         | 1.00   |          |         |
| $50,000 or more                | 1.29   | 0.83     | 2.02    | 0.260  | 3.00     | 2.03    | 4.44   | 0.000  |
| Marital Status                 |        |          |         |        |          |         |
| Single                         | 1.00   |          |         | 1.00   |          |         |
| Married/Living as married      | 0.68   | 0.36     | 1.28    | 0.229  | 0.91     | 0.49    | 1.71   | 0.775  |
| Divorced                       | 0.58   | 0.28     | 1.20    | 0.141  | 0.65     | 0.34    | 1.26   | 0.207  |
| Widowed                        | 0.45   | 0.23     | 0.87    | 0.017  | 0.32     | 0.16    | 0.62   | 0.001  |
| Health Insurance               |        |          |         |        |          |         |
| No                             | 1.00   |          |         | 1.00   |          |         |
| Yes                            | 1.67   | 0.67     | 4.16    | 0.271  | 1.54     | 0.72    | 3.32   | 0.266  |

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| Regular provider | Interpersonal Communication Vs Non-Seekers | Media Vs Non-Seekers |
|------------------|------------------------------------------|----------------------|
|                  | OR   | CI    | p value | OR   | CI    | p value |
| No               | 1.00 | 1.00  |         | 1.00 | 1.00  |         |
| Yes              | 1.68 | 1.02  | 2.75    | 0.041| 2.09  | 1.40    | 3.13 | 0.000 |
| General health   |      |       |         |      |       |         |
| Fair/Poor        | 1.00 | 1.00  |         | 1.00 | 1.00  |         |
| Good             | 0.88 | 0.58  | 1.35    | 0.569| 1.18  | 0.79    | 1.74 | 0.422 |
| Excellent/Very good | 1.18 | 0.77  | 1.80    | 0.456| 2.22  | 1.50    | 3.29 | 0.000 |
| Cancer type      |      |       |         |      |       |         |
| Breast Cancer    | 1.00 | 1.00  |         | 1.00 | 1.00  |         |
| Cervical Cancer  | 0.64 | 0.27  | 1.49    | 0.298| 0.83  | 0.41    | 1.68 | 0.605 |
| Prostate Cancer  | 1.03 | 0.56  | 1.92    | 0.917| 0.62  | 0.36    | 1.07 | 0.086 |
| Colon Cancer     | 0.86 | 0.34  | 2.17    | 0.744| 0.46  | 0.22    | 0.97 | 0.042 |
| Rectal Cancer    | 4.12 | 0.35  | 48.41   | 0.259| 7.16  | 0.73    | 70.63| 0.092 |
| Melanoma         | 0.67 | 0.28  | 1.60    | 0.372| 1.03  | 0.50    | 2.12 | 0.931 |
| Other types      | 0.69 | 0.39  | 1.22    | 0.197| 0.72  | 0.43    | 1.21 | 0.218 |
| More than one type | 1.14 | 0.61  | 2.12    | 0.686| 0.76  | 0.43    | 1.34 | 0.343 |

OR = Odds Ratio; CI = confidence interval
### Supplemental Table 2

Unadjusted multinomial logistic regression model predicting factors associated with sources of health information seeking of participants without a cancer history using HINTS 4 Cycles 1–4 (2011–2014) and HINTS 5 Cycles 1–2 (2017–2018).

| Race/Ethnicity          | Interpersonal Communication Vs Non-Seekers | Media Vs Non-Seekers |
|-------------------------|--------------------------------------------|----------------------|
|                         | OR  | CI    | p value | OR  | CI    | p value |
| Non-Hispanic White      | 1.00| 1.00  |         | 1.00|       |         |
| Non-Hispanic Black      | 0.77| 0.60  | 0.98    | 0.034| 0.45  | 0.37    | 0.54 |
| Hispanic                | 0.66| 0.52  | 0.83    | 0.000| 0.38  | 0.33    | 0.45 |
| Non-Hispanic Other      | 0.78| 0.57  | 1.06    | 0.110| 0.59  | 0.46    | 0.76 |
| Age                     |     |       |         |     |       |         |
| <50 years               | 1.00|       |         | 1.00|       |         |
| 50–64 years             | 1.40| 1.14  | 1.73    | 0.002| 0.94  | 0.81    | 1.09 |
| ≥65 years               | 1.62| 1.35  | 1.95    | 0.000| 0.51  | 0.45    | 0.59 |
| Gender                  |     |       |         |     |       |         |
| Female                  | 1.00|       |         | 1.00|       |         |
| Male                    | 0.65| 0.55  | 0.78    | 0.000| 0.62  | 0.55    | 0.71 |
| Education Level         |     |       |         |     |       |         |
| Some College or more    | 1.00|       |         | 1.00|       |         |
| High School or less     | 0.62| 0.52  | 0.73    | 0.000| 0.22  | 0.19    | 0.26 |
| Employment Status       |     |       |         |     |       |         |
| Unemployed              | 1.00|       |         | 1.00|       |         |
| Employed                | 0.89| 0.72  | 1.10    | 0.263| 1.52  | 1.27    | 1.82 |
| Retired                 | 1.32| 1.07  | 1.64    | 0.010| 0.87  | 0.72    | 1.04 |
| Income                  |     |       |         |     |       |         |
| < $50,000               | 1.00|       |         | 1.00|       |         |
| $50,000 or more         | 1.36| 1.13  | 1.64    | 0.001| 2.82  | 2.43    | 3.26 |
| Marital Status          |     |       |         |     |       |         |
| Single                  | 1.00|       |         | 1.00|       |         |
| Married/Living as married| 1.56| 1.23  | 1.96    | 0.000| 1.48  | 1.26    | 1.75 |
| Divorced                | 1.04| 0.79  | 1.37    | 0.768| 0.85  | 0.69    | 1.05 |
| Widowed                 | 1.47| 1.12  | 1.93    | 0.006| 0.45  | 0.36    | 0.56 |
| Health Insurance        |     |       |         |     |       |         |
| No                      | 1.00|       |         | 1.00|       |         |
| Yes                     | 1.79| 1.36  | 2.35    | 0.000| 1.62  | 1.35    | 1.96 |
| Regular provider        |     |       |         |     |       |         |
| No                      | 1.00|       |         | 1.00|       |         |
| Yes                     | 2.26| 1.87  | 2.74    | 0.000| 1.77  | 1.54    | 2.03 |

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| General health          | Interpersonal Communication Vs Non-Seekers | Media Vs Non-Seekers |
|------------------------|--------------------------------------------|----------------------|
|                        | OR  | CI    | p value | OR  | CI    | p value |
| Fair/Poor              | 1.00|       |         | 1.00|       |
| Good                   | 0.97| 0.77  | 1.22    | 0.802| 1.57  | 1.30    | 1.89    | 0.000 |
| Excellent/Very good    | 0.90| 0.72  | 1.14    | 0.384| 1.89  | 1.57    | 2.27    | 0.000 |

OR = Odds Ratio; CI = confidence interval.

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