**Supplemental Table 1. Characteristics of responders versus non responders**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristic**  **n (%)** | **Overall** | | **Colorado** | | **Penn** | | **Texas** | |
|  | **R**  **(n=472)** | **NR**  **(n=1,612)** | **R**  **(n=184)** | **NR**  **(n=673)** | **R**  **(n=114)** | **NR**  **(n=623)** | **R**  **(n=174)** | **NR**  **(n=316)** |
| **Male Sex** | 348 (74) | 1,232 (76) | 145 (79) | 544 (81) | 75 (66) | 448 (72) | 128 (74) | 240 (76) |
| **Race**  White  Black  Asian  Other  Unknown\* | 312 (67)  94 (20)  15 (3.2)  38 (8.1)  13 (2.75) | 847 (53)  568 (35)  78 (4.8)  99 (6.1)  20 (1.2) | 145 (79)  15 (8.2)  5 (2.7)  19 (10)  0 | 502 (75)  82 (12)  19 (2.8)  70 (10)  0 | 61 (54)  41 (36)  2 (1.8)  3 (2.7)  7 (6.1) | 195 (31)  386 (62)  27 (4.3)  14 (2.3)  1 (.2) | 106 (62)  38 (22)  8 (4.7)  16 (9.3)  6 (3.4) | 150 (48)  100 (32)  32 (10)  15 (4.8)  19 (6.0) |
| **Ethnicity**  Hispanic/Latino | 32 (7.2) | 104 (6.6) | 20 (11) | 56 (8.3) | 2 (2.0) | 15 (2.4) | 10 (6.0) | 33 (11) |

R; responder. NR; non-responder, \*Prefer not to specify/no response

**Supplemental Table 2. Knowledge and beliefs about BE and EAC**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **UCH (n=184)** | **UPenn (n=114)** | **UTSW (n=174)** | **Overall (n=472)** |
| **Having GERD increases risk for developing Barrett’s esophagus and esophageal cancer**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 112 (60.9)  66 (35.9)  6 (3.3) | 83 (72.8)  27 (23.7)  4 (3.5) | 119 (68.4)  51 (29.3)  4 (2.3) | 314 (66.5)  144 (30.5)  14 (3.0) |
| **Having GERD for a longer time increases the risk for developing BE**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 118 (64.1)  63 (34.2)  3 (1.6) | 89 (78.1)  24 (21.1)  1 (0.9) | 122 (70.1)  47 (27.0)  5 (2.9) | 329 (69.7)  134 (28.4)  9 (1.9) |
| **Being overweight increases the risk for developing BE**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 92 (50.0)  78 (42.4)  14 (7.6) | 71 (62.3)  39 (34.2)  4 (3.5) | 93 (53.4)  69 (39.7)  12 (6.9) | 256 (54.2)  186 (39.4)  30 (6.4) |
| **Smoking increases the risk for developing BE**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 117 (63.6)  60 (32.6)  7 (3.8) | 77 (67.5)  32 (28.1)  5 (4.4) | 108 (62.1)  58 (33.3)  8 (4.6) | 302 (64.0)  150 (31.8)  20 (4.2) |
| **If GERD is well controlled on acid lowering medications, screening for BE is not needed**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 34 (18.5)  59 (32.1)  91 (49.5) | 24 (21.1)  29 (25.4)  61 (53.5) | 34 (19.7) 56 (32.4)  83 (48.0) | 92 (19.5)  144 (30.6)  235 (49.9) |
| **The earlier esophageal cancer is diagnosed, the more likely it can be cured**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 162 (88.0)  17 (9.2)  5 (2.7) | 103 (90.4)  8 (7.0)  3 (2.6) | 152 (87.9)  20 (11.6)  1 (0.6) | 417 (88.5)  45 (9.6)  9 (1.9) |
| **Knowledge Score Percent Correct (95% CI)** | 62.7%  (59.8-65.5) | 70.8  (67.2-74) | 65  (62-67.8) | 65.5  (63.7-67.2) |
| **Screening for BE with upper endoscopy is a one-time procedure and does not need to be repeated**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 28 (15.2)  64 (34.8)  92 (50.0) | 23 (20.2)  26 (22.8)  65 (57.0) | 29 (16.7)  65 (37.4)  80 (46.0) | 80 (16.9)  155 (32.8)  237 (50.2) |
| **Screening for BE should only be done if I am having trouble swallowing or losing weight (or both)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 22 (12.0)  70 (38.0)  92 (50.0) | 31 (27.2)  25 (21.9)  58 (50.9) | 37 (21.4)  49 (28.3)  87 (50.3) | 90 (19.1)  144 (30.6)  237 (50.3) |
| **Esophageal cancer is deadly if not treated**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 151 (82.1)  27 (14.7)  6 (3.3) | 100 (87.7)  10 (8.8)  4 (3.5) | 130 (75.1)  37 (21.4)  6 (3.5) | 381 (80.9)  74 (15.7)  16 (3.4) |

**Supplemental Table 3. Perception of risk for BE/EAC**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **UCH (n=184)** | **UPenn (n=114)** | **UTSW (n=174)** | **Overall (n=472)** |
| **How likely or unlikely do you think you are to get BE in your lifetime?**  Very likely or somewhat likely  Neither likely nor unlikely  Very unlikely or somewhat unlikely | 59 (32.1)  63 (34.2)  62 (33.7) | 42 (36.8)  33 (28.9)  39 (34.2) | 49 (28.5)  47 (27.3)  76 (44.2) | 150 (31.9)  143 (30.4)  177 (37.7) |
| **How likely or unlikely do you think you are to get esophageal cancer in your lifetime?**  Very likely or somewhat likely  Neither likely nor unlikely  Very unlikely or somewhat unlikely | 41 (22.3)  68 (37.0)  75 (40.8) | 22 (19.3)  42 (36.8)  50 (43.9) | 32 (18.6)  50 (29.1)  90 (52.3) | 95 (20.2)  160 (34.0)  215 (45.7) |
| **How concerned are you about getting Barrett’s esophagus?**  Extremely concerned  Moderately concerned  Slightly concerned  Somewhat concerned  Not at all concerned | 16 (8.7)  25 (13.6)  47 (25.5)  42 (22.8)  54 (29.3) | 15 (13.2)  15 (13.2)  31 (27.2)  31 (27.2)  22 (19.3) | 8 (4.7)  25 (14.5)  36 (20.9)  36 (20.9)  67 (39.0) | 39 (8.3)  65 (13.8)  114 (24.3)  109 (23.2)  143 (30.4) |
| **How concerned are you about getting esophageal cancer?**  Extremely concerned  Moderately concerned  Slightly concerned  Somewhat concerned  Not at all concerned | 16 (8.7)  23 (12.5)  47 (25.5)  44 (23.9)  54 (29.3) | 15 (13.2)  16 (14.0)  37 (32.5)  25 (21.9)  21 (18.4) | 9 (5.2)  27 (15.7)  36 (20.9)  37 (21.5)  63 (36.6) | 40 (8.5)  66 (14.0)  120 (25.5)  106 (22.6)  138 (29.4) |
| **Would getting an upper endoscopy reduce your concern about esophageal cancer?**  Yes  No  I am not concerned | 126 (68.5)  16 (8.7)  42 (22.8) | 81 (71.1)  13 (11.4)  20 (17.5) | 116 (67.4)  21 (12.2)  35 (20.3) | 323 (68.7)  50 (10.6)  97 (20.6) |
| **Considering your overall health, how important is getting screened for Barrett’s esophagus and esophageal cancer for you?**  Very or somewhat important  Neither important nor unimportant  Very or somewhat unimportant | 108 (58.7)  31 (16.8)  45 (24.5) | 80 (70.2)  14 (12.3)  20 (17.5) | 105 (61.0)  26 (15.1)  41 (23.8) | 293 (62.3)  71 (15.1)  106 (22.6) |

**Supplemental Table 4. Patient reported barriers to BE screening**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Patient Barriers** | **UCH (n=184)** | **UPenn (n=114)** | **UTSW (n=174** | **Overall (n=472)** |
| **I don’t think I need screening for BE**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 47 (25.5)  56 (30.4)  81 (44.0) | 28 (24.6)  38 (33.3)  48 (42.1) | 67 (38.7)  35 (20.2)  71 (41.0) | 142 (30.1)  129 (27.4)  200 (42.5) |
| **I am afraid that an upper endoscopy will be uncomfortable and painful**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 42 (22.8)  30 (16.3)  112 (60.9) | 23 (20.2)  14 (12.3)  77 (67.5) | 31 (17.9)  30 (17.3)  112 (64.7) | 96 (20.4)  74 (15.7)  301 (63.9) |
| **I do not want an upper endoscopy for screening because I am afraid it might show cancer**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 2 (1.1)  19 (10.3)  163 (88.6) | 6 (5.3)  9 (7.9)  99 (86.8) | 6 (3.5)  10 (5.8)  157 (90.8) | 14 (3.0)  38 (8.1)  419 (89.0) |
| **I do not think an upper endoscopy is a good test for screening for Barrett’s esophagus**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 2 (1.1)  69 (37.5)  113 (61.4) | 6 (5.3)  29 (25.4)  79 (69.3) | 9 (5.2)  53 (30.6)  111 (64.2) | 17 (3.6)  151 (32.1)  303 (64.3) |
| **Scheduling an appointment for an upper endoscopy is too difficult**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 6 (3.3)  43 (23.4)  135 (73.4) | 8 (7.0)  23 (20.2)  83 (72.8) | 6 (3.5)  24 (13.9)  143 (82.7) | 20 (4.2)  90 (19.1)  361 (76.6) |
| **I have to wait too long before an upper endoscopy can be scheduled**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 14 (7.6)  69 (37.5)  101 (54.9) | 6 (5.3)  23 (20.2)  85 (74.6) | 14 (8.1)  45 (26.0)  114 (65.9) | 34 (7.2)  137 (29.1)  300 (63.7) |
| **An upper endoscopy takes too much time**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 2 (1.1)  51 (27.7)  131 (71.2) | 5 (4.4)  16 (14.0)  93 (81.6) | 5 (2.9)  38 (22.1)  129 (75.0) | 12 (2.6)  105 (22.3)  353 (75.1) |
| **I do not know where to have an upper endoscopy done**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 20 (10.9)  16 (8.7)  148 (80.4) | 10 (8.8)  2 (1.8)  102 (89.5) | 14 (8.1)  26 (15.1)  132 (76.7) | 44 (9.4)  44 (9.4)  382 (81.3) |
| **I cannot arrange for a ride to have an upper endoscopy done**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 9 (4.9)  11 (6.0)  164 (89.1) | 14 (12.3)  3 (2.6)  97 (85.1) | 9 (5.2)  13 (7.6)  150 (87.2) | 32 (6.8)  27 (5.7)  411 (87.4) |
| **I do not think my insurance plan will cover an upper endoscopy**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 14 (7.6)  54 (29.3)  116 (63.0) | 1 (0.9)  24 (21.1)  89 (78.1) | 8 (4.7)  54 (31.4)  110 (64.0) | 23 (4.9)  132 (28.1)  315 (67.0) |
| **I will have to pay too much out of pocket for an upper endoscopy**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 16 (8.7)  58 (31.5)  110 (59.8) | 7 (6.1)  19 (16.7)  88 (77.2) | 15 (8.7)  50 (29.1)  107 (62.2) | 38 (8.1)  127 (27.0)  305 (64.9) |

**Supplemental Table 5. Patient reported barriers to BE screening across EGD groups**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Total (n=472)** | **Prior EGD (n=278)** | **No Prior EGD (n=193)** | **p-value** |
| **I don’t think I need screening for Barrett’s esophagus**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 142 (30.1)  129 (27.4)  200 (42.5) | 68 (24.5)  74 (26.6)  136 (48.9) | 74 (38.3)  55 (28.5)  64 (33.2) | **0.001\*** |
| **I am afraid that an upper endoscopy will be uncomfortable and painful**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 96 (20.4)  74 (15.7)  301 (63.9) | 37 (13.3)  20 (7.2)  221 (79.5) | 59 (30.6)  54 (28.0)  80 (41.5) | **<0.001\*** |
| **I do not want an upper endoscopy for screening because I am afraid it might show cancer**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 14 (3.0)  38 (8.1)  419 (89.0) | 4 (1.4)  10 (3.6)  264 (95.0) | 10 (5.2)  28 (14.5)  155 (80.3) | **<0.001\*** |
| **I do not think an upper endoscopy is a good test for screening for Barrett’s esophagus**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 17 (3.6)  151 (32.1)  303 (64.3) | 9 (3.2)  69 (24.8)  200 (71.9) | 8 (4.1)  82 (42.5)  103 (53.4) | **<0.001\*** |
| **Scheduling an appointment for an upper endoscopy is too difficult**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 20 (4.2)  90 (19.1)  361 (76.6) | 8 (2.9)  38 (13.7)  232 (83.5) | 12 (6.2)  52 (26.9)  129 (66.8) | **<0.001\*** |
| **I have to wait too long before an upper endoscopy can be scheduled**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 34 (7.2)  137 (29.1)  300 (63.7) | 19 (6.8)  54 (19.4)  205 (73.7) | 15 (7.8)  83 (43.0)  95 (49.2) | **<0.001\*** |
| **An upper endoscopy takes too much time**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 12 (2.6)  105 (22.3)  353 (75.1) | 6 (2.2)  22 (7.9)  249 (89.9) | 6 (3.1)  83 (43.0)  104 (53.9) | **<0.001\*** |
| **I do not know where to have an upper endoscopy done**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 44 (9.4)  44 (9.4)  382 (81.3) | 12 (4.3)  12 (4.3)  253 (91.3) | 32 (16.6)  32 (16.6)  129 (66.8) | **<0.001\*** |
| **I cannot arrange for a ride to have an upper endoscopy done**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 32 (6.8)  27 (5.7)  411 (87.4) | 15 (5.4)  8 (2.9)  254 (91.7) | 17 (8.8)  19 (9.8)  157 (81.3) | **0.002\*** |
| **I do not think my insurance plan will cover an upper endoscopy**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 23 (4.9)  132 (28.1)  315 (67.0) | 10 (3.6)  45 (16.2)  222 (80.1) | 13 (6.7)  87 (45.1)  93 (48.2) | **<0.001\*** |
| **I will have to pay too much out of pocket for an upper endoscopy**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 38 (8.1)  127 (27.0)  305 (64.9) | 21 (7.6)  45 (16.2)  211 (76.2) | 17 (8.8)  82 (42.5)  94 (48.7) | **<0.001\*** |

**\***Significant w/ Chi-squared test

\*\*Significant with Wald test

**Supplemental Table 6. Knowledge, risk perception, and barriers to screening across ethnicity**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Non-Hispanic White (n=298)** | | **Non-Hispanic Black (n=94)** | | **Hispanic  (n=32)** | | **Other (n=48)** | | **p-value** |
| **I don’t think I need screening for Barrett’s esophagus. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 102 (34.2)  92 (30.9)  104 (34.9) | | 18 (19.1)  19 (20.2)  57 (60.6) | | 9 (28.1)  4 (12.5)  19 (59.4) | | 13 (27.7)  14 (29.8)  20 (42.6) | | **<0.001\*** |
| **I am afraid that an upper endoscopy will be uncomfortable and painful. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 58 (19.5)  40 (13.4)  200 (67.1) | | 21 (22.3)  17 (18.1)  56 (59.6) | | 6 (18.8)  8 (25.0)  18 (56.2) | | 11 (23.4)  9 (19.1)  27 (57.4) | | 0.500 |
| **I do not want an upper endoscopy for screening because I am afraid it might show cancer. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 4 (1.3)  19 (6.4)  275 (92.3) | | 6 (6.4)  9 (9.6)  79 (84.0) | | 4 (12.5)  4 (12.5)  24 (75.0) | | 0 (0.0)  6 (12.8)  41 (87.2) | | **0.001\*** |
| **I do not think an upper endoscopy is a good test for screening for Barrett’s esophagus. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 5 (1.7)  97 (32.6)  196 (65.8) | | 8 (8.5)  28 (29.8)  58 (61.7) | | 2 (6.2)  15 (46.9)  15 (46.9) | | 2 (4.3)  11 (23.4)  34 (72.3) | | **0.016\*** |
| **Scheduling an appointment for an upper endoscopy is too difficult. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 11 (3.7)  52 (17.4)  235 (78.9) | | 8 (8.5)  19 (20.2)  67 (71.3) | | 1 (3.1)  4 (12.5)  27 (84.4) | | 0 (0.0)  15 (31.9)  32 (68.1) | | **0.046\*** |
| **I have to wait too long before an upper endoscopy can be scheduled. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 22 (7.4)  87 (29.2)  189 (63.4) | | 10 (10.6)  25 (26.6)  59 (62.8) | | 1 (3.1)  12 (37.5)  19 (59.4) | | 1 (2.1)  13 (27.7)  33 (70.2) | | 0.494 |
| **An upper endoscopy takes too much time. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 8 (2.7)  59 (19.8)  231 (77.5) | | 4 (4.3)  21 (22.3)  69 (73.4) | | 0 (0.0)  13 (40.6)  19 (59.4) | | 0 (0.0)  12 (26.1)  34 (73.9) | | 0.111 |
| **I do not know where to have an upper endoscopy done. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 24 (8.1)  23 (7.7)  251 (84.2) | | 6 (6.4)  11 (11.7)  77 (81.9) | | 5 (15.6)  4 (12.5)  23 (71.9) | | 9 (19.6)  6 (13.0)  31 (67.4) | | 0.060 |
| **I cannot arrange for a ride to have an upper endoscopy done. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 14 (4.7)  18 (6.0)  266 (89.3) | | 10 (10.6)  4 (4.3)  80 (85.1) | | 2 (6.2)  1 (3.1)  29 (90.6) | | 6 (13.0)  4 (8.7)  36 (78.3) | | 0.188 |
| **I do not think my insurance plan will cover an upper endoscopy. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 11 (3.7)  79 (26.5)  208 (69.8) | | 3 (3.2)  29 (30.9)  62 (66.0) | | 3 (9.4)  9 (28.1)  20 (62.5) | | 6 (13.0)  15 (32.6)  25 (54.3) | | 0.077 |
| **I will have to pay too much out of pocket for an upper endoscopy. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | | 17 (5.7)  78 (26.2)  203 (68.1) | | 10 (10.6)  20 (21.3)  64 (68.1) | | 4 (12.5)  10 (31.2)  18 (56.2) | | 7 (15.2)  19 (41.3)  20 (43.5) | | **0.016\*** |
| **How likely or unlikely do you think you are to get Barrett’s esophagus in your lifetime? (%)**  Very likely or somewhat likely  Neither likely nor unlikely  Very unlikely or somewhat unlikely | | 81 (27.2)  95 (31.9)  122 (40.9) | | 39 (41.5)  27 (28.7)  28 (29.8) | | 15 (46.9)  5 (15.6)  12 (37.5) | | 15 (32.6)  16 (34.8)  15 (32.6) | | **0.049\*** |
| **How likely or unlikely do you think you are to get esophageal cancer in your lifetime? (%)**  Very likely or somewhat likely  Neither likely nor unlikely  Very unlikely or somewhat unlikely | | 50 (16.8)  99 (33.2)  149 (50.0) | | 27 (28.7)  30 (31.9)  37 (39.4) | | 10 (31.2)  10 (31.2)  12 (37.5) | | 8 (17.4)  21 (45.7)  17 (37.0) | | 0.050 |
| **How concerned are you about getting Barrett’s esophagus? (%)**  Extremely concerned  Moderately concerned  Slightly concerned  Somewhat concerned  Not at all concerned | | 12 (4.0)  35 (11.7)  81 (27.2)  73 (24.5)  97 (32.6) | | 19 (20.2)  16 (17.0)  16 (17.0)  21 (22.3)  22 (23.4) | | 4 (12.5)  8 (25.0)  1 (3.1)  7 (21.9)  12 (37.5) | | 4 (8.7)  6 (13.0)  16 (34.8)  8 (17.4)  12 (26.1) | | **<0.001\*** |
| **How concerned are you about getting esophageal cancer? (%)**  Extremely concerned  Moderately concerned  Slightly concerned  Somewhat concerned  Not at all concerned | | 15 (5.0)  36 (12.1)  81 (27.2)  69 (23.2)  97 (32.6) | | 16 (17.0)  16 (17.0)  21 (22.3)  22 (23.4)  19 (20.2) | | 4 (12.5)  7 (21.9)  3 (9.4)  8 (25.0)  10 (31.2) | | 5 (10.9)  7 (15.2)  15 (32.6)  7 (15.2)  12 (26.1) | | **0.011\*** |
| **Would getting an upper endoscopy reduce your concern about esophageal cancer? (%)**  Yes  No  I am not concerned | | 205 (68.8)  29 (9.7)  64 (21.5) | | 64 (68.1)  13 (13.8)  17 (18.1) | | 21 (65.6)  2 (6.2)  9 (28.1) | | 33 (71.7)  6 (13.0)  7 (15.2) | | 0.678 |
| **Considering your overall health, how important is getting screened for Barrett’s esophagus and esophageal cancer for you? (%)**  Very or somewhat important  Neither important nor unimportant  Very or somewhat unimportant | | 153 (51.3)  54 (18.1)  91 (30.5) | | 82 (87.2)  6 (6.4)  6 (6.4) | | 24 (75.0)  5 (15.6)  3 (9.4) | | 34 (73.9)  6 (13.0)  6 (13.0) | | **<0.001\*** |
| **Knowledge Score Percent Correct (95% CI)**  Correctly answered | | 66.9 (95% CI:64.7-69.1) | | 63.5 (95% CI:59.4-67.4) | | 56.8 (95% CI:49.7-63.6) | | 66.1 (95% CI:60.4-71.3) | | **0.0299\*\*** |
| **\*** Significant w/ Fisher’s exact test  *\*\*Significant with z-test* |  | |  | |  | |  | |

**Supplemental Table 7. Knowledge, risk perception, and barriers to screening across sex**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Man**  **(n=349)** | **Woman (n=120)** | **p-value** |
| **I don’t think I need screening for Barrett’s esophagus. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 97 (27.9)  102 (29.3)  150 (43.0) | 45 (37.2)  26 (21.5)  49 (40.8) | 0.093 |
| **I am afraid that an upper endoscopy will be uncomfortable and painful. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 64 (18.4)  60 (17.2)  225 (64.5) | 32 (26.4)  12 (9.9)  76 (63.3) | 0.048 |
| **I do not want an upper endoscopy for screening because I am afraid it might show cancer. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 9 (2.6)  23 (6.6)  317 (90.8) | 5 (4.1)  14 (11.6)  101 (84.2) | 0.128 |
| **I do not think an upper endoscopy is a good test for screening for Barrett’s esophagus. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 11 (3.2)  116 (33.3)  222 (63.6) | 6 (5.0)  34 (28.1)  80 (66.7) | 0.440 |
| **Scheduling an appointment for an upper endoscopy is too difficult. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 12 (3.4)  72 (20.7)  265 (75.9) | 8 (6.6)  17 (14.0)  95 (79.2) | 0.118 |
| **I have to wait too long before an upper endoscopy can be scheduled. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 21 (6.0)  102 (29.3)  226 (64.8) | 13 (10.7)  34 (28.1)  73 (60.8) | 0.213 |
| **An upper endoscopy takes too much time. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 9 (2.6)  76 (21.8)  264 (75.6) | 3 (2.5)  28 (23.1)  89 (74.2) | 0.939 |
| **I do not know where to have an upper endoscopy done. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 27 (7.8)  34 (9.8)  288 (82.5) | 16 (13.2)  10 (8.3)  94 (78.3) | 0.180 |
| **I cannot arrange for a ride to have an upper endoscopy done. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 19 (5.5)  21 (6.0)  309 (88.5) | 12 (9.9)  6 (5.0)  102 (85.0) | 0.213 |
| **I do not think my insurance plan will cover an upper endoscopy. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 18 (5.2)  102 (29.3)  229 (65.5) | 5 (4.1)  29 (24.0)  86 (71.7) | 0.476 |
| **I will have to pay too much out of pocket for an upper endoscopy. (%)**  Strongly agree or agree  Neither agree nor disagree  Strongly disagree or disagree | 28 (8.0)  95 (27.3)  226 (64.8) | 10 (8.3)  31 (25.6)  79 (65.8) | 0.956 |
| **How likely or unlikely do you think you are to get Barrett’s esophagus in your lifetime? (%)**  Very likely or somewhat likely  Neither likely nor unlikely  Very unlikely or somewhat unlikely | 111 (31.8)  112 (32.2)  126 (36.2) | 38 (31.7)  31 (25.6)  51 (42.1) | 0.347 |
| **How likely or unlikely do you think you are to get esophageal cancer in your lifetime? (%)**  Very likely or somewhat likely  Neither likely nor unlikely  Very unlikely or somewhat unlikely | 65 (18.6)  129 (37.1)  155 (44.5) | 30 (25.0)  30 (24.8)  60 (49.6) | **0.046\*** |
| **How concerned are you about getting Barrett’s esophagus? (%)**  Extremely concerned  Moderately concerned  Slightly concerned  Somewhat concerned  Not at all concerned | 30 (8.6)  48 (13.8)  88 (25.3)  79 (22.7)  104 (12.6) | 9 (7.5)  17 (14.0)  26 (21.5)  29 (24.0)  39 (32.2) | 0.924 |
| **How concerned are you about getting esophageal cancer? (%)**  Extremely concerned  Moderately concerned  Slightly concerned  Somewhat concerned  Not at all concerned | 31 (8.9)  44 (12.6)  93 (26.7)  81 (23.3)  100 (28.7) | 9 (7.5)  22 (18.2)  26 (21.5)  25 (20.7)  38 (31.4) | 0.455 |
| **Would getting an upper endoscopy reduce your concern about esophageal cancer? (%)**  Yes  No  I am not concerned | 243 (69.6)  37 (10.6)  69 (19.8) | 79 (65.8)  13 (10.7)  28 (23.1) | 0.691 |
| **Considering your overall health, how important is getting screened for Barrett’s esophagus and esophageal cancer for you? (%)**  Very or somewhat important  Neither important nor unimportant  Very or somewhat unimportant | 209 (59.9)  58 (16.7)  82 (23.6) | 83 (69.2)  13 (10.7)  24 (19.8) | 0.158 |
| **Knowledge Score Percent Correct (95% CI)**  Correctly answered | 64.2% (62.1%-66.2%) | 69.2% (65.7%- 72.4%) | **0.015±** |
| **\*** Significant w/ Fisher’s exact test  **±** Significant w/ Type III Anova |  |  |  |