Table D1. Characteristics of included studies

| **First Author, Year (PMID)** | **Population/ body system and decision type Decision Aid ID\*** | **Country of trial** | **N enrolled** | **Age (mean)** | **Gender/ Ethnicity** | **Education >50% competed high school (yes/no)** | **Arm** | **Values clearly explicit (yes/no)** | **Probabilities (generic/ personalized** | **Interactive materials** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Screening** |  |  |  |  |  |  |  |  |  |
|  | **Breast** |  |  |  |  |  |  |  |  |  |
| Mathieu (2007) 17954796 | 3 | Australia | 734 | 70.35 | NR | unclear | DA booklet/ Control usual care | yes/ no | generic/ none | no/ NA |
| Mathieu (2010) 20149953 | 3 | Australia | 412 | 41.8 | NR | yes | DA website/ control | yes/ no | generic/ none | yes/ NA |
|  | **Colorectal** |  |  |  |  |  |  |  |  |  |
| Trevena (2008) 18573775 | 11 | Australia | 314 | 59 [median between 55-64 which contains 66% of the population] | NR | no | DA booklet/ Control guidelines | yes/ no | generic/  none | no/no |
| Smith (2010) 20978060 | 11 | Australia | 572 | NR | men 50%, women 50% | yes | DA booklet, video, question prompt list/ DA booklet, video/ Control booklet | yes/ yes/ no | personalized/ personalized/ generic | no/ no/ no |
| Schroy (2010) 20484090 | 9 | USA | 666 | < 65 [86% of the population was under 65] | men 40%; white 34%, African American 63%, Asian 1%, other 2% | yes | DA computer individualized/ DA computer/ Control education on another topic | yes/ yes/ no | personalized/ generic/ none | yes/ yes/ NA |
| Pignone (2000) 11085838 | 8 | USA | 651 | 62.7 | white 90% | yes | DA video/ Control video on another topic | no/ no | none/ none | no/ no |
| Griffith (2008) 18218084 | 8 | USA | 120 | 54 | white 71%, African American 24% | yes | DA 5 options video/ DA 2 options video | no/no | generic/ generic | no/ no |
| Miller (2011) 21565651 | 8 | USA | 264 | 57.8 | African American 73% | yes | DA Computer/ Control education on another topic | no/ no | generic/ none | yes/ NA |
| Dolan (2002) 11958495 |  | USA | 97 | 66.1 | white 98% | yes | DA booklet and consultation/ Control interview | yes/ no | generic/ none | consultation/ consultation |
| Ruffin (2007) 17689600 |  | USA | 174 | 57 | white 53%, African American 47% | yes | DA computer/ Control computer | yes/ no | generic/ none | yes/ no |
|  | **Prostate** |  |  |  |  |  |  |  |  |  |
| Volk (2008) 18760888 | 20 | USA | 525 | 55.6 | white 47%, African American 36%, Hispanic 8%, other 9% | yes | DA video/ DA audio | yes/no | generic/ generic | yes/ no |
| Taylor (2013) 23896732 | 10 | USA | 1879 | 56.9 | white 56%; African American 40%; other 4% | yes | DA computer/ DA booklet/ Control usual care | yes/ yes/ no | generic/ generic/ none | yes/ no/ NA |
| Williams (2013) 23357414 | 10 | USA | 543 | 54.9 | white 30%, Black 61%, Other 9% | yes | DA booklet/ Control usual care booklet | yes/ no | generic/ generic | no/ no |
| Stephens (2008) 19025266 | 7 | USA | 400 | 54.9 | African American 50% | yes | DA booklet/ Control usual care | no/ no | generic/ none | no/ NA |
| Myers (2005) 16173330 | 6 | USA | 242 | 52 | African American 100% | yes | DA booklet and consultation/ Control booklet | yes/ no | none/ none | consultation/ no |
| Myers (2011) 20619576 | 6 | USA | 313 | 56.5 | white 56% | yes | DA booklet and consultation/  Control usual care | yes/ no | generic/ none | consultation/ no |
| Frosch (2008) 18299490 | 5 | USA | 611 | 58.7 | white 86%, African American 3%, Hispanic 5%, Asian 4%, other 2% | yes | DA chronic disease trajectory/ DA traditional/ DA combination/ Control | yes/ yes/ no/ no | generic/ generic/ generic/ none | yes/ no/ yes/ no |
| Frosch (2003) 14521639 | 4, 5 | USA | 226 | 62 | white 91%, Asian/Pacific Islander 3.5%, Hispanic, 3.5%, other 2% | yes | DA computer/ DA video | no/ no | generic/ generic | no/ no |
| Volk (1999) 10418541 | 4 | USA | 160 | 59 | white 61%, African American 19%, Mexican American 16%, other 4% | yes | DA videotape and utility assessment/ DA videotape/  Control no intervention | no/ no/ no | generic/ generic/ none | no/ no/ NA |
| Partin (2004) 15242468 | 2, 4 | USA | 1,152 | 68.4 | white 95% | yes | DA video/ DA booklet/ Control | no/ no/ no | generic/ generic/ none | no/ no/ NA |
| Gattellari (2003) 12790313 | 1 | Australia | 248 | 54 | NR | yes | DA booklet/ Control pamphlet | yes/ no | generic/ none | no/ no |
| Gattellari (2005) 15911190 | 1 | Australia | 421 | 58.1 | NR | yes | DA video/ DA booklet/ Control leaflet | yes/ no/ no | generic/ generic/ none | no/ no/ no |
| Watson (2006) 16875796 |  | UK | 1960 | 60 [median between 50-70 which contains 61% of the population] | white 96% | yes | DA booklet/ Control usual care | no/ no | generic/ none | no/ NA |
| Ilic (2008) 18373146 |  | Australia | 161 | 58.5 | NR | yes | DA booklet/ DA video/ DA computer | no/ no/ no | none/ none/ none | no/ no/ yes |
| Holt (2009) 19718941 |  | USA | 49 | 56 | African American 100% | yes | DA booklet and consultation spiritual/ DA booklet and consultation secular | no/ no | generic/ generic | consultation/ consultation |
| Allen (2010) 20716619 |  | USA | 829 | >45 [all] | white 89% | yes | DA computer/ Control usual care | yes/ no | generic/none | yes/ NA |
| Evans (2010) 20693148 |  | UK | 514 | 55 [median between 50-59 which contains 64% of the population] | white 98% | yes | DA computer/ DA booklet/ Control 1 and 2 usual care | yes/ no/ no | generic/ generic/ none/ none | yes/ no/ no/ no |
| Chan (2011) 21237611 |  | USA | 321 | 60.9 | 100% Hispanic | no | DA video, booklet, and in-person education/ Control education on another topic | yes/no | generic/ none | consultation/ NA |
| Lepore (2012) 22825933 |  | USA | 490 | 62 [median between 55-70 which contains 49% of the population] | African American 100% | yes | DA booklet and consultation/ Control education on another topic | yes/no | personalized/ none | consultation/ NA |
| Sheridan (2012) 23148458 |  | USA | 130 | 57.5 | white 55% | yes | DA video and coaching/ Control education on another topic | yes/no | generic/ none | consultation/ NA |
| Salkeld (2013) no PMID |  | Australia | 1447 | NR | NR | NR | DA computer/ Control education | no/no | generic/ none | yes/ no |
| Wilkes (2013) 23835818 |  | USA | 581 | 63 | white 82%, African American 8%, Hispanic 8%, Asian 5%, other 7% | yes | DA computer for patients/ DA computer for physicians/ Control booklet | no/no/no | generic/ personalized/ generic | yes/ yes/ no |
| Watts (2013) 24274808 |  | Australia | 138 | 56 | NR | yes | DA computer/ Control computer education | yes/no | personalized/ generic | yes/ no |
|  | **High risk, but no cancer** |  |  |  |  |  |  |  |  |  |
|  | **Breast - preventive treatment** |  |  |  |  |  |  |  |  |  |
| Fagerlin (2011) 21442198 | 21 | USA | 1197 | 61.7 | white 97.5%, Black 0.4%, Asian/Pacific Islander 1.7%, Hispanic 0.4% | yes | DA computer/ Control waiting list/ Control no intervention | yes/no/no | personalized/ none/ none | yes/ NA/ NA |
| Schwartz (2009) 19210013 | 17 | USA | 214 | 44 | white 93%; Jewish 49% | yes | DA computer and booklet/ Control usual care booklet | yes/no | personalized/ none | yes/ NA |
| Ozanne (2007) 17319855 |  | USA | 30 | 44.4 | NR | yes | DA computer and consultation/ Control consultation | no/no | personalized/ personalized | yes and consultation/ consultation |
| van Roosmalen (2004) 15310772 |  | Netherlands | 88 | 39.5 | NR | unclear | DA brochure and video plus counseling/ Control usual care | yes/no | generic/ generic | consultation/ NA |
|  | **Breast—testing for genetic mutation** |  |  |  |  |  |  |  |  |  |
| Lerman (1997) 8998184 |  | USA | 578 | 39 [median between 35 and 49 which contains 58% of the population] | white 71%, African American 27%, other 2% | yes | DA education and counseling/ DA education/ Control wait list | no/ no/ no | personalized/ personalized/ none | consultation/ consultation/ NA |
| Green (2001) 11562929 |  | USA | 72 | 44 | white 98%, African American 2% | yes | DA computer/DA counselor/ Control baseline knowledge | no/ no/ no | generic/ personalized/ none | yes/ consultation/ NA |
| Green (2004) 15280342 |  | USA | 211 | 44.5 | white 93% | yes | DA computer/ DA counselor | no/ no | generic/ personalized | yes/ consultation |
| Miller (2005) 16377604 |  | USA | 492 | 46.32 | white 89%,  African American 5%. Native American 2%, Asian 1%, Hispanic 1%, other 2% | yes | DA telephone education and packet/ Control usual care | yes/ no | personalized/ generic | consultation/ consultation |
| Albada (2012) 22394647 |  | Netherlands | 197 | 41.4 | NR | yes | DA computer/ Control usual care | no/ no | generic/ none | yes/ NA |
|  | **Breast/ Ovarian—testing for genetic mutation** |  |  |  |  |  |  |  |  |  |
| Wakefield (2008) 17333332 | 13 | Australia | 145 | 47.7 | NR | yes | DA booklet/ Control usual care booklet | yes/no | personalized/ none | no/ no |
| Wakefield (2008) 18613319 | 13 | Australia | 148 | 48.7 | NR | yes | DA booklet/ Control usual care booklet | yes/no | personalized/ none | no/ no |
|  | **Colorectal— testing for genetic mutation** |  |  |  |  |  |  |  |  |  |
| Wakefield (2008) 18618513 | 13 | Australia | 153 | 50.4 | NR | yes | DA booklet/ Control usual care booklet | yes/no | personalized/ none | no/ no |
|  | **Ovarian—preventive treatment** |  |  |  |  |  |  |  |  |  |
| Tiller (2006) 16855125 |  | Australia | 131 | 48.6 | NR | yes | DA booklet/ Control booklet | yes/no | generic/ generic | no/no |
|  | **Early cancer** |  |  |  |  |  |  |  |  |  |
|  | **Breast** |  |  |  |  |  |  |  |  |  |
| Goel (2001) 11206942 |  | Canada | 136 | 57.5 | NR | yes | DA audiotape, workbook/ Control pamphlet | yes/no | generic/ none | no/no |
| Whelan (2004) 12697850 | 12 | USA and Canada | 176 | 51.4 | NR | no | DA decision board/ Control usual care | no/no | generic/ none | consultation/ NA |
| Whelan (2003) 15280341 | 12 | Canada | 201 | 58.1 | NR | yes | DA decision board/ Control usual care | no/no | generic/ none | consultation/ NA |
| Jibaja-Weiss (2011) 20609546 | 20 | USA | 138 | 51 | white 16%, African American 38%, Hispanic 45%, Asian American 1% | no | DA computer/ Control usual care | yes/no | generic/ none | yes/ NA |
| Street (1995) 8635032 |  | USA | 60 | 59.1 | white 92% | yes | DA computer/ Control booklet | no/ no | none/ none | yes/no |
| Vodermaier (2009) 19209172 |  | Germany | 152 | 55.2 | NR | yes | DA decision board/ Control usual care | no/ no | generic/ none | consultation/ NA |
| Peele (2005) 15951457 | 22 | USA | 432 | NR | white 80% | yes | DA computer/ Control pamphlet | no/ no | personalized/ none | consultation/ consultation |
| Lam (2013) 23835709 |  | China | 276 | 55.7 | Chinese 100% | yes | DA booklet/ Control usual care | yes/ no | generic/ none | no/ NA |
| Davison (2002) 12464832 |  | Canada | 736 | 58.3 | NR | yes | DA computer/ Control no intervention | no/ no | personalized/ none | yes/ NA |
| Maslin (1998) no PMID |  | UK | 100 | 52.1 | NR | NR | DA video/ Control usual care | no/ no | personalized/ none | yes/ NA |
| **Cervical** |  |  |  |  |  |  |  |  |  |  |
| McCaffery (2010) 20179125 | 15 | Australia | 330 | >30 [65% of the population was older than 30] | NR | yes | DA informed consent/ Control HPV triage/ Control repeat testing | yes/ no/ no | generic/ none/ none | no/ NA/ NA |
|  | **Colorectal** |  |  |  |  |  |  |  |  |  |
| Manne (2010) 20142594 |  | USA | 213 | 46.3 | white 90%; men 55% | yes | DA computer/ Control education | no/ no | generic/ generic | yes/ consultation |
|  | **Prostate** |  |  |  |  |  |  |  |  |  |
| Berry (2013) 22153756 | 19 | USA | 508 | 63 [median age] | white 85% | yes | DA computer/ Control usual care | yes/ no | generic/ none | yes/ no |
| Davison (1997) 9190093 |  | Canada | 60 | 68 | NR | no | DA booklet and consultation/ Control booklet | no/ no | generic/ none | consultation/ no |
| Auvinen (2004) 14678367 |  | Other (Finland) | 210 | 72 | NR | NR | DA booklet and consultation/ Control usual care | yes/ no | generic/ none | consultation/ consultation |
| Davison (2007) 17876177 |  | Canada | 324 | 62.4 | NR | no | DA video and booklet individualized/ DA video and booklet generic | yes/ no | personalized/ none | yes/ no |
| Mishel (2009) 19819096 |  | USA | 259 | 62.5 | white 71.5%, African American 28.5% | yes | DA booklet, video, and consultation/ DA booklet, video, and consultation for both patient and primary support person/ Control booklet | yes/ yes/ no | none/ none/ none | consultation/ consultation/ NA |
| Diefenbach (2012) 22246148 |  | USA | 91 | 61.93 | white 59%, African American 27%, Hispanic, Asian, other 14% | yes | DA tailored Web site/ DA generic Web site/ Control usual care | no/ no/ no | generic/ generic/ generic | yes/ yes/ NA |
| Feldman-Stewart (2012) 22287534 |  | Canada | 156 | 65 [median between 60-99 which contains 47% of the population] | NR | yes | DA computer/ DA computer with values exercise | yes/ no | generic/ generic | yes/ not clear |
| Hacking (2013) 22570252 |  | UK | 123 | 66.2 | white 100% | yes | DA coaching/ Control usual care | yes/ no | none/ none | consultation/ NA |
| van Tol-Geerdink (2013) 22882966 |  | Netherlands | 240 | 64 | NR | unclear | DA consultation/ Control usual care | no/no | generic/ none | consultation/ NA |
| Sawka (2012) 22753906 |  | Canada | 74 | 45.8 | men 16% | yes | DA computer/ Control usual care | no/no | generic/  none | yes/ NA |