**Subgroup analysis**

* For certain outcomes, experiencing OCS in addition to traditional ACE appeared to make the outcome worse than experiencing only ACE.
* In those cases, we would like to know whether being nonwhite or Hispanic, or being female, or being both (in addition to experiencing ACE and OCS) results in even worse outcomes.
* In the initial analysis we rely only on the weighting to make the groups (i.e., exposed to ACE and OCS vs. exposed to ACE alone) comparable in terms of covariates.
* The same set of analysis is repeated using regression to address any residual covariate imbalance after weighting.
  1. Nonwhite or Hispanic

| Predicted values by minority | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **minority** | **y** | **se** | **ci\_l** | **ci\_u** | **counts** |
| ACE | 0 | 3.81 | 0.1215 | 3.57 | 4.05 | 41 |
| ACE | 1 | 3.80 | 0.1271 | 3.56 | 4.05 | 27 |
| ACE + OCS | 0 | 3.53 | 0.0404 | 3.45 | 3.60 | 316 |
| ACE + OCS | 1 | 3.54 | 0.0283 | 3.49 | 3.60 | 926 |
| None | 0 | 3.99 | 0.1037 | 3.79 | 4.19 | 97 |
| None | 1 | 3.91 | 0.1113 | 3.69 | 4.13 | 58 |
| OCS | 0 | 3.78 | 0.0409 | 3.70 | 3.86 | 325 |
| OCS | 1 | 3.66 | 0.0328 | 3.60 | 3.72 | 716 |

| Adjusted predicted values (DR) by minority | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **minority** | **Est** | **SE** | **ci\_l** | **ci\_u** | **Freq** |
| ACE | 0 | 3.76 | 0.1262 | 3.51 | 4.00 | 41 |
| ACE | 1 | 3.88 | 0.1313 | 3.63 | 4.14 | 26 |
| ACE + OCS | 0 | 3.48 | 0.0458 | 3.39 | 3.57 | 280 |
| ACE + OCS | 1 | 3.58 | 0.0321 | 3.52 | 3.64 | 819 |
| None | 0 | 4.04 | 0.0582 | 3.92 | 4.15 | 96 |
| None | 1 | 3.94 | 0.1173 | 3.71 | 4.17 | 57 |
| OCS | 0 | 3.71 | 0.0460 | 3.62 | 3.80 | 310 |
| OCS | 1 | 3.70 | 0.0355 | 3.63 | 3.77 | 647 |

| Test 'ACE + OCS' vs. 'ACE only' by race-ethnic group | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white | -0.2855 | 0.128 | -2.230 | 0.0352 |
| diff among minority | -0.2632 | 0.130 | -2.022 | 0.0575 |
| did minority vs. white | 0.0223 | 0.183 | 0.122 | 0.9167 |

| Doubly Robust Test 'ACE + OCS' vs. 'ACE only' by minority | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white | -0.2800 | 0.128 | -2.187 | 0.0387 |
| diff among minority | -0.3027 | 0.125 | -2.414 | 0.0211 |
| did minority vs. white | -0.0227 | 0.181 | -0.125 | 0.8249 |

Being nonwhite or Hispanic does not appear to worsen the outcome.

* 1. Hispanic

| Predicted values by hisp | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **hisp** | **y** | **se** | **ci\_l** | **ci\_u** | **counts** |
| ACE | 0 | 3.81 | 0.1215 | 3.57 | 4.05 | 41 |
| ACE | 1 | 3.78 | 0.2516 | 3.29 | 4.28 | 10 |
| ACE + OCS | 0 | 3.53 | 0.0404 | 3.45 | 3.60 | 317 |
| ACE + OCS | 1 | 3.59 | 0.0450 | 3.50 | 3.67 | 339 |
| None | 0 | 3.99 | 0.1037 | 3.79 | 4.19 | 97 |
| None | 1 | 3.92 | 0.2065 | 3.52 | 4.33 | 17 |
| OCS | 0 | 3.78 | 0.0409 | 3.70 | 3.86 | 339 |
| OCS | 1 | 3.57 | 0.0625 | 3.45 | 3.70 | 229 |

| Adjusted predicted values (DR) by Hispanic | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **hisp** | **Est** | **SE** | **ci\_l** | **ci\_u** | **Freq** |
| ACE | 0 | 3.77 | 0.1253 | 3.52 | 4.01 | 41 |
| ACE | 1 | 4.08 | 0.2339 | 3.62 | 4.53 | 9 |
| ACE + OCS | 0 | 3.50 | 0.0473 | 3.41 | 3.60 | 280 |
| ACE + OCS | 1 | 3.63 | 0.0551 | 3.52 | 3.73 | 299 |
| None | 0 | 4.06 | 0.0567 | 3.95 | 4.17 | 96 |
| None | 1 | 3.98 | 0.2814 | 3.43 | 4.53 | 16 |
| OCS | 0 | 3.74 | 0.0464 | 3.65 | 3.83 | 310 |
| OCS | 1 | 3.63 | 0.0720 | 3.49 | 3.77 | 196 |

| Test 'ACE + OCS' vs. 'ACE only' by hisp | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white | -0.2855 | 0.128 | -2.230 | 0.0317 |
| diff among hisp | -0.1992 | 0.256 | -0.779 | 0.4428 |
| did hisp vs. white | 0.0863 | 0.286 | 0.302 | 0.9200 |

| Doubly Robust Test 'ACE + OCS' vs. 'ACE only' by Hispanic | | | | |
| --- | --- | --- | --- | --- |
| **Contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white | -0.265 | 0.127 | -2.09 | 0.0464 |
| diff among hisp | -0.449 | 0.205 | -2.19 | 0.0358 |
| did hisp vs. white | -0.184 | 0.242 | -0.76 | 0.4633 |

Being Hispanic appears to be associated with a worse outcome only after controlling for residual imbalances, but the difference is not significant.

* 1. Black

| Predicted values by black | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **black** | **y** | **se** | **ci\_l** | **ci\_u** | **counts** |
| ACE | 0 | 3.81 | 0.1215 | 3.57 | 4.05 | 41 |
| ACE | 1 | 3.79 | 0.1482 | 3.50 | 4.08 | 14 |
| ACE + OCS | 0 | 3.53 | 0.0404 | 3.45 | 3.60 | 316 |
| ACE + OCS | 1 | 3.54 | 0.0350 | 3.47 | 3.61 | 610 |
| None | 0 | 3.99 | 0.1037 | 3.79 | 4.19 | 97 |
| None | 1 | 3.91 | 0.1397 | 3.64 | 4.19 | 39 |
| OCS | 0 | 3.78 | 0.0409 | 3.70 | 3.86 | 325 |
| OCS | 1 | 3.67 | 0.0378 | 3.60 | 3.75 | 456 |

| Adjusted predicted values (DR) by black | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **black** | **Est** | **SE** | **ci\_l** | **ci\_u** | **Freq** |
| ACE | 0 | 3.76 | 0.1277 | 3.51 | 4.01 | 41 |
| ACE | 1 | 3.80 | 0.1753 | 3.46 | 4.14 | 14 |
| ACE + OCS | 0 | 3.47 | 0.0491 | 3.37 | 3.56 | 280 |
| ACE + OCS | 1 | 3.60 | 0.0400 | 3.52 | 3.68 | 545 |
| None | 0 | 4.03 | 0.0600 | 3.92 | 4.15 | 96 |
| None | 1 | 3.93 | 0.1366 | 3.67 | 4.20 | 39 |
| OCS | 0 | 3.70 | 0.0503 | 3.60 | 3.80 | 310 |
| OCS | 1 | 3.75 | 0.0440 | 3.66 | 3.83 | 415 |

| Test 'ACE + OCS' vs. 'ACE only' by race-ethnic group | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white | -0.2855 | 0.128 | -2.230 | 0.0339 |
| diff among black | -0.2471 | 0.152 | -1.622 | 0.1304 |
| did black vs. white | 0.0384 | 0.199 | 0.193 | 0.9254 |

| Doubly Robust Test 'ACE + OCS' vs. 'ACE only' by black | | | | |
| --- | --- | --- | --- | --- |
| **Contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among nonblack | -0.295 | 0.128 | -2.29 | 0.0285 |
| diff among black | -0.199 | 0.159 | -1.26 | 0.2454 |
| did black vs. white | 0.095 | 0.207 | 0.46 | 0.9746 |

Being black does not appear to worsen the outcome.

1. Female

| Predicted values by female | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **female** | **y** | **se** | **ci\_l** | **ci\_u** | **counts** |
| ACE | 0 | 3.74 | 0.1122 | 3.52 | 3.96 | 30 |
| ACE | 1 | 3.87 | 0.1347 | 3.61 | 4.14 | 39 |
| ACE + OCS | 0 | 3.58 | 0.0335 | 3.52 | 3.65 | 613 |
| ACE + OCS | 1 | 3.48 | 0.0329 | 3.42 | 3.55 | 645 |
| None | 0 | 3.92 | 0.1030 | 3.71 | 4.12 | 81 |
| None | 1 | 3.98 | 0.1140 | 3.75 | 4.20 | 75 |
| OCS | 0 | 3.73 | 0.0350 | 3.67 | 3.80 | 540 |
| OCS | 1 | 3.68 | 0.0372 | 3.60 | 3.75 | 517 |

| Adjusted predicted values (DR) by female | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **female** | **Est** | **SE** | **ci\_l** | **ci\_u** | **Freq** |
| ACE | 0 | 3.82 | 0.1113 | 3.60 | 4.04 | 29 |
| ACE | 1 | 3.83 | 0.1425 | 3.55 | 4.11 | 38 |
| ACE + OCS | 0 | 3.59 | 0.0349 | 3.52 | 3.66 | 531 |
| ACE + OCS | 1 | 3.49 | 0.0350 | 3.42 | 3.56 | 568 |
| None | 0 | 3.93 | 0.1151 | 3.71 | 4.16 | 80 |
| None | 1 | 4.03 | 0.0940 | 3.85 | 4.22 | 73 |
| OCS | 0 | 3.72 | 0.0379 | 3.64 | 3.79 | 483 |
| OCS | 1 | 3.70 | 0.0370 | 3.62 | 3.77 | 474 |

| Test 'ACE + OCS' vs. 'ACE only' by female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among male | -0.156 | 0.117 | -1.33 | 0.21830 |
| diff among female | -0.389 | 0.139 | -2.81 | 0.00693 |
| did female vs. male | -0.233 | 0.182 | -1.28 | 0.23618 |

| Doubly Robust Test 'ACE + OCS' vs. 'ACE only' by female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among male | -0.231 | 0.109 | -2.119 | 0.0435 |
| diff among female | -0.342 | 0.138 | -2.474 | 0.0174 |
| did female vs. male | -0.111 | 0.180 | -0.616 | 0.5557 |

Being Female appears to be associated with a somewhat worse outcome, but the difference is not significant.

* 1. Nonwhite or Hispanic & Female

| Predicted values by minority and female | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **minority** | **female** | **y** | **se** | **ci\_l** | **ci\_u** | **counts** |
| ACE | 0 | 0 | 3.64 | 0.1863 | 3.28 | 4.01 | 15 |
| ACE | 0 | 1 | 3.90 | 0.1526 | 3.61 | 4.20 | 26 |
| ACE | 1 | 0 | 3.78 | 0.1426 | 3.50 | 4.06 | 15 |
| ACE | 1 | 1 | 3.84 | 0.2282 | 3.39 | 4.29 | 12 |
| ACE + OCS | 0 | 0 | 3.56 | 0.0565 | 3.45 | 3.67 | 159 |
| ACE + OCS | 0 | 1 | 3.49 | 0.0577 | 3.38 | 3.60 | 157 |
| ACE + OCS | 1 | 0 | 3.61 | 0.0406 | 3.53 | 3.69 | 446 |
| ACE + OCS | 1 | 1 | 3.47 | 0.0392 | 3.40 | 3.55 | 480 |
| None | 0 | 0 | 4.05 | 0.0730 | 3.90 | 4.19 | 47 |
| None | 0 | 1 | 3.95 | 0.1662 | 3.62 | 4.27 | 50 |
| None | 1 | 0 | 3.84 | 0.1539 | 3.54 | 4.14 | 34 |
| None | 1 | 1 | 4.01 | 0.1532 | 3.71 | 4.31 | 24 |
| OCS | 0 | 0 | 3.71 | 0.0592 | 3.60 | 3.83 | 160 |
| OCS | 0 | 1 | 3.86 | 0.0560 | 3.75 | 3.97 | 165 |
| OCS | 1 | 0 | 3.75 | 0.0442 | 3.66 | 3.83 | 368 |
| OCS | 1 | 1 | 3.58 | 0.0477 | 3.49 | 3.68 | 348 |

| Adjusted predicted values (DR) by minority and female | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **female** | **minority** | **Est** | **SE** | **ci\_l** | **ci\_u** | **Freq** |
| ACE | 0 | 0 | 3.60 | 0.2030 | 3.20 | 4.00 | 15 |
| ACE | 0 | 1 | 3.93 | 0.1215 | 3.70 | 4.17 | 14 |
| ACE | 1 | 0 | 3.85 | 0.1608 | 3.53 | 4.16 | 26 |
| ACE | 1 | 1 | 3.83 | 0.2483 | 3.34 | 4.31 | 12 |
| ACE + OCS | 0 | 0 | 3.51 | 0.0604 | 3.40 | 3.63 | 139 |
| ACE + OCS | 0 | 1 | 3.64 | 0.0458 | 3.55 | 3.73 | 392 |
| ACE + OCS | 1 | 0 | 3.44 | 0.0631 | 3.32 | 3.57 | 141 |
| ACE + OCS | 1 | 1 | 3.52 | 0.0430 | 3.44 | 3.60 | 427 |
| None | 0 | 0 | 4.00 | 0.0815 | 3.84 | 4.16 | 47 |
| None | 0 | 1 | 3.88 | 0.1763 | 3.54 | 4.23 | 33 |
| None | 1 | 0 | 4.07 | 0.0807 | 3.91 | 4.23 | 49 |
| None | 1 | 1 | 4.01 | 0.1637 | 3.69 | 4.33 | 24 |
| OCS | 0 | 0 | 3.62 | 0.0637 | 3.50 | 3.75 | 154 |
| OCS | 0 | 1 | 3.78 | 0.0477 | 3.68 | 3.87 | 329 |
| OCS | 1 | 0 | 3.80 | 0.0594 | 3.69 | 3.92 | 156 |
| OCS | 1 | 1 | 3.63 | 0.0496 | 3.54 | 3.73 | 318 |

| Test 'ACE + OCS' vs. 'ACE only' by minority and female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white male | -0.0824 | 0.195 | -0.423 | 0.8503 |
| diff among minority male | -0.1697 | 0.148 | -1.144 | 0.4603 |
| diff among white female | -0.4131 | 0.163 | -2.533 | 0.0262 |
| diff among minority female | -0.3680 | 0.232 | -1.589 | 0.2324 |
| did 'minority female' vs. 'white male' | -0.2855 | 0.303 | -0.944 | 0.5792 |

| Doubly Robust Test 'ACE + OCS' vs. 'ACE only' by minority and female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white male | -0.0836 | 0.192 | -0.435 | 0.8445 |
| diff among minority male | -0.2937 | 0.116 | -2.525 | 0.0270 |
| diff among white female | -0.4049 | 0.165 | -2.454 | 0.0327 |
| diff among minority female | -0.3055 | 0.226 | -1.352 | 0.3439 |
| did 'minority female' vs. 'white male' | -0.2219 | 0.296 | -0.749 | 0.6913 |

Being nonwhite or Hispanic and Female appears to be associated with a worse outcome (compared with white male), but the difference is not significant.

* 1. Hispanic & Female

| Predicted values by hisp and female | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **hisp** | **female** | **y** | **se** | **ci\_l** | **ci\_u** | **counts** |
| ACE | 0 | 0 | 3.64 | 0.1863 | 3.28 | 4.01 | 15 |
| ACE | 0 | 1 | 3.90 | 0.1526 | 3.61 | 4.20 | 26 |
| ACE | 1 | 0 | 3.48 | 0.1888 | 3.11 | 3.85 | 4 |
| ACE | 1 | 1 | 4.14 | 0.2175 | 3.71 | 4.56 | 6 |
| ACE + OCS | 0 | 0 | 3.56 | 0.0565 | 3.45 | 3.67 | 159 |
| ACE + OCS | 0 | 1 | 3.49 | 0.0577 | 3.38 | 3.60 | 157 |
| ACE + OCS | 1 | 0 | 3.61 | 0.0651 | 3.48 | 3.73 | 173 |
| ACE + OCS | 1 | 1 | 3.56 | 0.0616 | 3.44 | 3.68 | 166 |
| None | 0 | 0 | 4.05 | 0.0730 | 3.90 | 4.19 | 47 |
| None | 0 | 1 | 3.95 | 0.1662 | 3.62 | 4.27 | 50 |
| None | 1 | 0 | 3.69 | 0.3113 | 3.08 | 4.30 | 7 |
| None | 1 | 1 | 4.11 | 0.2485 | 3.62 | 4.60 | 10 |
| OCS | 0 | 0 | 3.71 | 0.0592 | 3.60 | 3.83 | 160 |
| OCS | 0 | 1 | 3.86 | 0.0560 | 3.75 | 3.97 | 165 |
| OCS | 1 | 0 | 3.68 | 0.0883 | 3.50 | 3.85 | 113 |
| OCS | 1 | 1 | 3.49 | 0.0869 | 3.32 | 3.66 | 110 |

| Adjusted predicted values (DR) by hisp and female | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **female** | **hisp** | **Est** | **SE** | **ci\_l** | **ci\_u** | **Freq** |
| ACE | 0 | 0 | 3.62 | 0.2059 | 3.21 | 4.02 | 15 |
| ACE | 0 | 1 | 4.05 | 0.8971 | 2.29 | 5.81 | 3 |
| ACE | 1 | 0 | 3.87 | 0.1602 | 3.56 | 4.19 | 26 |
| ACE | 1 | 1 | 4.12 | 0.2685 | 3.59 | 4.64 | 6 |
| ACE + OCS | 0 | 0 | 3.54 | 0.0624 | 3.42 | 3.66 | 139 |
| ACE + OCS | 0 | 1 | 3.65 | 0.0793 | 3.49 | 3.80 | 151 |
| ACE + OCS | 1 | 0 | 3.47 | 0.0650 | 3.34 | 3.60 | 141 |
| ACE + OCS | 1 | 1 | 3.60 | 0.0702 | 3.47 | 3.74 | 148 |
| None | 0 | 0 | 4.03 | 0.0819 | 3.87 | 4.19 | 47 |
| None | 0 | 1 | 3.72 | 0.8475 | 2.05 | 5.38 | 6 |
| None | 1 | 0 | 4.10 | 0.0801 | 3.94 | 4.25 | 49 |
| None | 1 | 1 | 4.13 | 0.3000 | 3.54 | 4.72 | 10 |
| OCS | 0 | 0 | 3.65 | 0.0650 | 3.52 | 3.78 | 154 |
| OCS | 0 | 1 | 3.69 | 0.0995 | 3.49 | 3.88 | 99 |
| OCS | 1 | 0 | 3.83 | 0.0605 | 3.71 | 3.95 | 156 |
| OCS | 1 | 1 | 3.59 | 0.0969 | 3.40 | 3.78 | 97 |

| Test 'ACE + OCS' vs. 'ACE only' by hisp and female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white male | -0.0824 | 0.195 | -0.423 | 0.8511 |
| diff among hisp male | 0.1300 | 0.200 | 0.651 | 0.9994 |
| diff among white female | -0.4131 | 0.163 | -2.533 | 0.0266 |
| diff among hisp female | -0.5762 | 0.226 | -2.549 | 0.0253 |
| did 'hisp female' vs. ' white male' | -0.4938 | 0.298 | -1.655 | 0.2065 |

| Doubly Robust Test 'ACE + OCS' vs. 'ACE only' by hisp and female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among white male | -0.0804 | 0.194 | -0.415 | 0.8551 |
| diff among hisp male | -0.4020 | 0.487 | -0.825 | 0.6509 |
| diff among white female | -0.4032 | 0.165 | -2.441 | 0.0341 |
| diff among hisp female | -0.5117 | 0.222 | -2.303 | 0.0489 |
| did 'hisp female' vs. ' white male' | -0.4313 | 0.294 | -1.465 | 0.2888 |

Being Hispanic and Female appears to be associated with a worse outcome, but the difference is not significant.

* 1. Black & Female

| Predicted values by black and female | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **black** | **female** | **y** | **se** | **ci\_l** | **ci\_u** | **counts** |
| ACE | 0 | 0 | 3.64 | 0.1863 | 3.28 | 4.01 | 15 |
| ACE | 0 | 1 | 3.90 | 0.1526 | 3.61 | 4.20 | 26 |
| ACE | 1 | 0 | 3.88 | 0.1127 | 3.66 | 4.11 | 9 |
| ACE | 1 | 1 | 3.64 | 0.3352 | 2.98 | 4.30 | 5 |
| ACE + OCS | 0 | 0 | 3.56 | 0.0565 | 3.45 | 3.67 | 159 |
| ACE + OCS | 0 | 1 | 3.49 | 0.0577 | 3.38 | 3.60 | 157 |
| ACE + OCS | 1 | 0 | 3.66 | 0.0510 | 3.56 | 3.76 | 280 |
| ACE + OCS | 1 | 1 | 3.44 | 0.0469 | 3.35 | 3.53 | 330 |
| None | 0 | 0 | 4.05 | 0.0730 | 3.90 | 4.19 | 47 |
| None | 0 | 1 | 3.95 | 0.1662 | 3.62 | 4.27 | 50 |
| None | 1 | 0 | 3.97 | 0.1940 | 3.59 | 4.35 | 25 |
| None | 1 | 1 | 3.83 | 0.1875 | 3.46 | 4.19 | 14 |
| OCS | 0 | 0 | 3.71 | 0.0592 | 3.60 | 3.83 | 160 |
| OCS | 0 | 1 | 3.86 | 0.0560 | 3.75 | 3.97 | 165 |
| OCS | 1 | 0 | 3.74 | 0.0505 | 3.64 | 3.84 | 231 |
| OCS | 1 | 1 | 3.61 | 0.0551 | 3.50 | 3.72 | 225 |

| Adjusted predicted values (DR) by black and female | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ace\_ocs** | **female** | **black** | **Est** | **SE** | **ci\_l** | **ci\_u** | **Freq** |
| ACE | 0 | 0 | 3.59 | 0.2040 | 3.19 | 3.99 | 15 |
| ACE | 0 | 1 | 3.90 | 0.1366 | 3.63 | 4.17 | 9 |
| ACE | 1 | 0 | 3.84 | 0.1608 | 3.53 | 4.16 | 26 |
| ACE | 1 | 1 | 3.65 | 0.4156 | 2.83 | 4.46 | 5 |
| ACE + OCS | 0 | 0 | 3.50 | 0.0636 | 3.38 | 3.63 | 139 |
| ACE + OCS | 0 | 1 | 3.70 | 0.0570 | 3.59 | 3.82 | 250 |
| ACE + OCS | 1 | 0 | 3.43 | 0.0657 | 3.30 | 3.56 | 141 |
| ACE + OCS | 1 | 1 | 3.50 | 0.0520 | 3.40 | 3.61 | 295 |
| None | 0 | 0 | 3.99 | 0.0807 | 3.83 | 4.15 | 47 |
| None | 0 | 1 | 4.00 | 0.1971 | 3.61 | 4.38 | 25 |
| None | 1 | 0 | 4.07 | 0.0827 | 3.91 | 4.23 | 49 |
| None | 1 | 1 | 3.84 | 0.2067 | 3.43 | 4.24 | 14 |
| OCS | 0 | 0 | 3.61 | 0.0678 | 3.48 | 3.75 | 154 |
| OCS | 0 | 1 | 3.80 | 0.0590 | 3.69 | 3.92 | 207 |
| OCS | 1 | 0 | 3.79 | 0.0625 | 3.67 | 3.92 | 156 |
| OCS | 1 | 1 | 3.70 | 0.0595 | 3.58 | 3.81 | 208 |

| Test 'ACE + OCS' vs. 'ACE only' by black and female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among nonblack male | -0.0824 | 0.195 | -0.423 | 0.8391 |
| diff among black male | -0.2256 | 0.124 | -1.824 | 0.1437 |
| diff among nonblack female | -0.4131 | 0.163 | -2.533 | 0.0256 |
| diff among black female | -0.2000 | 0.338 | -0.591 | 0.7634 |
| did 'black female' vs. 'nonblack male' | -0.1176 | 0.390 | -0.301 | 0.8841 |

| Doubly Robust Test 'ACE + OCS' vs. 'ACE only' by black and female | | | | |
| --- | --- | --- | --- | --- |
| **contrasts** | **coefficients** | **sigma** | **tstat** | **pvalues** |
| diff among nonblack male | -0.0900 | 0.192 | -0.469 | 0.8169 |
| diff among black male | -0.1969 | 0.126 | -1.566 | 0.2349 |
| diff among nonblack female | -0.4137 | 0.165 | -2.510 | 0.0273 |
| diff among black female | -0.1446 | 0.338 | -0.428 | 0.8342 |
| did 'black female' vs. 'nonblack male' | -0.0546 | 0.386 | -0.141 | 0.9275 |

Being black and Female does not appear to worsen the outcome.