

Supplementary material for “Semiparametric Bayesian Estimation of Survival Probabilities Based on the SEER Breast Cancer Data”

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Table 1: Estimated bias (RMSE=root mean squared error) of the estimators of β -parameters based on 500 replications under simulation scenario 1.

| Parameter | True | AFT-Bayes-LASSO | Cox-LASSO | GenF-f-pval |
|--------------|-------|-----------------|----------------|----------------|
| β_1 | 0.5 | -0.003 (0.027) | -0.606 (0.607) | -0.374 (0.379) |
| β_2 | 0.5 | -0.002 (0.029) | -0.606 (0.607) | -0.374 (0.378) |
| β_3 | 0.35 | -0.003 (0.023) | -0.425 (0.426) | -0.260 (0.266) |
| β_4 | -0.35 | 0.004 (0.028) | 0.423 (0.424) | 0.260 (0.266) |
| β_5 | 0 | 0.001 (0.022) | 0.002 (0.017) | -0.001 (0.026) |
| β_6 | 0 | 0.001 (0.021) | 0.000 (0.014) | 0.001 (0.023) |
| β_7 | 0 | 0.004 (0.022) | 0.000 (0.015) | 0.002 (0.022) |
| β_8 | 0 | 0.001 (0.021) | 0.000 (0.018) | 0.001 (0.024) |
| β_9 | 0 | 0.001 (0.021) | 0.000 (0.018) | 0.000 (0.027) |
| β_{10} | 0 | 0.003 (0.021) | -0.001 (0.017) | 0.002 (0.027) |
| β_{11} | 0 | 0.001 (0.020) | 0.000 (0.016) | 0.003 (0.022) |
| β_{12} | 0 | 0.001 (0.021) | 0.001 (0.017) | 0.000 (0.022) |
| β_{13} | 0 | 0.000 (0.022) | 0.001 (0.017) | 0.000 (0.025) |
| β_{14} | 0 | 0.001 (0.021) | -0.001 (0.018) | -0.002 (0.020) |
| β_{15} | 0 | 0.001 (0.022) | -0.001 (0.016) | 0.001 (0.023) |
| β_{16} | 0 | 0.000 (0.022) | 0.000 (0.017) | 0.004 (0.024) |
| β_{17} | 0 | 0.001 (0.020) | 0.000 (0.015) | 0.001 (0.024) |
| β_{18} | 0 | 0.000 (0.021) | 0.000 (0.017) | 0.001 (0.021) |
| β_{19} | 0 | 0.002 (0.021) | 0.001 (0.018) | 0.000 (0.024) |
| β_{20} | 0 | 0.002 (0.020) | 0.000 (0.017) | 0.002 (0.023) |

Table 2: Estimated bias (RMSE=root mean squared error) of the estimators of β -parameters based on 500 replications under simulation scenario 2.

| Parameter | True | AFT-Bayes-LASSO | Cox-LASSO | GenF-f-pval |
|--------------|------|-----------------|----------------|----------------|
| β_1 | 0.2 | 0.076 (0.095) | -0.474 (0.476) | 0.272 (0.290) |
| β_2 | 0.2 | 0.074 (0.094) | -0.478 (0.480) | 0.276 (0.295) |
| β_3 | 0.1 | 0.056 (0.065) | -0.214 (0.218) | 0.146 (0.178) |
| β_4 | -0.1 | -0.055 (0.065) | 0.215 (0.219) | -0.124 (0.161) |
| β_5 | 0 | 0.004 (0.041) | 0.000 (0.019) | 0.001 (0.048) |
| β_6 | 0 | 0.007 (0.043) | 0.000 (0.018) | 0.006 (0.062) |
| β_7 | 0 | 0.001 (0.039) | 0.001 (0.018) | 0.003 (0.054) |
| β_8 | 0 | -0.003 (0.040) | 0.000 (0.020) | -0.004 (0.058) |
| β_9 | 0 | 0.003 (0.040) | 0.000 (0.019) | 0.003 (0.050) |
| β_{10} | 0 | -0.003 (0.043) | 0.000 (0.018) | -0.001 (0.053) |
| β_{11} | 0 | 0.000 (0.041) | 0.000 (0.018) | 0.004 (0.050) |
| β_{12} | 0 | 0.006 (0.041) | -0.001 (0.020) | 0.003 (0.058) |
| β_{13} | 0 | 0.001 (0.046) | -0.001 (0.019) | 0.003 (0.060) |
| β_{14} | 0 | 0.008 (0.039) | -0.001 (0.018) | 0.005 (0.068) |
| β_{15} | 0 | -0.004 (0.045) | 0.000 (0.019) | 0.005 (0.058) |
| β_{16} | 0 | 0.000 (0.043) | 0.000 (0.020) | 0.001 (0.061) |
| β_{17} | 0 | -0.002 (0.041) | 0.000 (0.018) | -0.003 (0.061) |
| β_{18} | 0 | 0.002 (0.040) | 0.001 (0.018) | -0.003 (0.049) |
| β_{19} | 0 | 0.003 (0.041) | 0.001 (0.019) | 0.006 (0.060) |
| β_{20} | 0 | -0.001 (0.037) | 0.001 (0.019) | 0.003 (0.059) |

Table 3: Estimates of the regression parameters along with the 95% credible/confidence intervals. Stage IV, grade 3, ER positive, PR positive, White race, and age group of diagnosis 70 to 84 years were used as the reference category of the respective variables.

| Variable | AFT-Bayes-LASSO | Cox-LASSO | GenF-f-pval |
|----------------------|-------------------------|-------------------------|-------------------------|
| Stage I | 1.099 (1.045, 1.149) | 1.413 (1.239, 1.686) | 2.195 (2.115, 2.275) |
| Stage IIA | 0.935 (0.880, 0.990) | 1.152 (1.007, 1.402) | 1.879 (1.799, 1.959) |
| Stage IIB | 0.770 (0.683, 0.836) | 0.861 (0.715, 1.184) | 1.583 (1.508, 1.659) |
| Stage IIIA | 0.599 (0.504, 0.686) | 0.678 (0.529, 0.956) | 1.310 (1.224, 1.397) |
| Stage IIIB | 0.486 (0.388, 0.587) | 0.470 (0.350, 0.749) | 1.068 (0.965, 1.171) |
| Grade 1 | 0.125 (0.022, 0.260) | -0.031 (-0.211, 0.057) | 0.378 (0.306, 0.450) |
| Grade 2 | -0.067 (-0.116, -0.011) | -0.016 (-0.175, 0.038) | 0.243 (0.192, 0.295) |
| Grade 4 | -0.276 (-0.385, -0.173) | -0.601 (-0.948, -0.371) | |
| ER- | -0.737 (-0.831, -0.663) | | -0.586 (-0.706, -0.466) |
| PR- | -0.325 (-0.389, -0.247) | | -0.241 (-0.299, -0.184) |
| Black race | -0.416 (-0.494, -0.316) | -0.352 (-0.532, -0.235) | -0.154 (-0.227, -0.081) |
| Age of diag. 20-29 | 0.281 (0.018, 0.465) | -0.240 (-0.452, -0.079) | 0.419 (0.218, 0.620) |
| Age of diag. 30-39 | 0.560 (0.376, 0.723) | | 0.761 (0.677, 0.845) |
| Age of diag. 40-49 | 0.505 (0.417, 0.591) | | 0.968 (0.907, 1.029) |
| Age of diag. 50-59 | 0.359 (0.277, 0.422) | 0.223 (0.085, 0.587) | 0.689 (0.617, 0.760) |
| Age of diag. 60-69 | 0.063 (0.011, 0.127) | 0.161 (0.024, 0.647) | 0.388 (0.296, 0.479) |
| Age of diag. 85+ | -0.845 (-0.930, -0.688) | -0.030 (-0.138, 0.191) | -0.553 (-0.725, -0.382) |
| Stage I × Grade 1 | 0.003 (-0.127, 0.100) | -0.213 (-0.302, 0.008) | -0.180 (-0.264, -0.096) |
| Stage IIA × Grade 1 | 0.095 (-0.058, 0.218) | -1.227 (-1.555, -0.851) | |
| Stage IIB × Grade 1 | 0.208 (0.065, 0.302) | | 0.240 (0.088, 0.393) |
| Stage IIIA × Grade 1 | 0.225 (0.057, 0.356) | 0.281 (0.158, 0.454) | |
| Stage IIIB × Grade 1 | 0.077 (-0.124, 0.286) | | |
| Stage I × Grade 2 | 0.146 (0.074, 0.200) | 0.386 (0.259, 0.550) | -0.090 (-0.150, -0.029) |
| Stage IIA × Grade 2 | 0.149 (0.088, 0.205) | | -0.060 (-0.123, 0.002) |
| Stage IIB × Grade 2 | 0.197 (0.125, 0.260) | | |
| Stage IIIA × Grade 2 | 0.218 (0.120, 0.276) | 0.581 (0.351, 0.755) | |
| Stage IIIB × Grade 2 | 0.211 (0.132, 0.304) | 0.273 (0.091, 0.616) | |
| Stage I × Grade 4 | 0.341 (0.210, 0.469) | 0.296 (0.026, 0.554) | 0.113 (0.003, 0.224) |
| Stage IIA × Grade 4 | 0.262 (0.145, 0.411) | 0.175 (0.076, 0.338) | |
| Stage IIB × Grade 4 | 0.279 (0.115, 0.463) | 0.136 (0.033, 0.278) | |
| Stage IIIA × Grade 4 | 0.299 (0.168, 0.502) | | |
| Stage IIIB × Grade 4 | 0.254 (0.112, 0.397) | 0.181 (0.067, 0.303) | |
| Stage I × ER- | 0.658 (0.585, 0.777) | 0.129 (0.012, 0.295) | 0.447 (0.331, 0.563) |
| Stage IIA × ER- | 0.612 (0.527, 0.730) | 0.123 (0.009, 0.295) | 0.382 (0.263, 0.501) |
| Stage IIB × ER- | 0.566 (0.494, 0.660) | 0.194 (0.068, 0.423) | 0.303 (0.190, 0.415) |
| Stage IIIA × ER- | 0.519 (0.374, 0.645) | 0.033 (0.001, 0.325) | 0.156 (0.021, 0.292) |

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Table 3 – continued from the previous page

| Variable | AFT-Bayes-LASSO | Cox-LASSO | GenF-f-pval |
|---------------------------------|-------------------------|------------------------|-------------------------|
| Stage IIIB × ER– | 0.474 (0.353, 0.590) | 0.009 (–0.060, 0.265) | 0.254 (0.111, 0.397) |
| Stage I × PR– | 0.283 (0.202, 0.356) | 0.014 (–0.140, 0.325) | 0.201 (0.132, 0.270) |
| Stage IIA × PR– | 0.229 (0.140, 0.321) | 0.367 (0.175, 0.658) | 0.074 (–0.002, 0.150) |
| Stage IIB × PR– | 0.194 (0.102, 0.280) | 0.320 (0.151, 0.618) | |
| Stage IIIA × PR– | 0.157 (0.052, 0.269) | | |
| Stage IIIB × PR– | 0.157 (0.050, 0.292) | | |
| Stage I × Black race | 0.345 (0.244, 0.411) | 0.247 (0.094, 0.533) | |
| Stage IIA × Black race | 0.324 (0.191, 0.401) | 0.121 (–0.007, 0.407) | |
| Stage IIB × Black race | 0.318 (0.229, 0.405) | | |
| Stage IIIA × Black race | 0.255 (0.110, 0.380) | 0.260 (0.064, 0.575) | |
| Stage IIIB × Black race | 0.181 (0.111, 0.300) | 0.279 (0.129, 0.441) | –0.126 (–0.275, 0.023) |
| Stage I × Age of diag. 20–29 | –0.093 (–0.344, 0.162) | 0.122 (0.004, 0.302) | |
| Stage IIA × Age of diag. 20–29 | 0.048 (–0.166, 0.285) | 0.081 (0.000, 0.214) | |
| Stage IIB × Age of diag. 20–29 | –0.035 (–0.205, 0.224) | 0.050 (–0.032, 0.221) | |
| Stage IIIA × Age of diag. 20–29 | –0.095 (–0.364, 0.183) | 0.017 (–0.121, 0.178) | |
| Stage IIIB × Age of diag. 20–29 | 0.103 (–0.437, 0.680) | 0.086 (0.002, 0.249) | |
| Stage I × Age of diag. 30–39 | –0.052 (–0.191, 0.110) | 0.050 (–0.041, 0.220) | 0.180 (0.051, 0.308) |
| Stage IIA × Age of diag. 30–39 | –0.103 (–0.241, 0.076) | 0.063 (–0.023, 0.213) | 0.104 (–0.012, 0.220) |
| Stage IIB × Age of diag. 30–39 | –0.174 (–0.343, 0.026) | –0.034 (–0.217, 0.112) | |
| Stage IIIA × Age of diag. 30–39 | –0.157 (–0.325, 0.050) | –0.015 (–0.218, 0.161) | |
| Stage IIIB × Age of diag. 30–39 | –0.214 (–0.423, 0.013) | 0.385 (0.019, 0.664) | –0.188 (–0.411, 0.034) |
| Stage I × Age of diag. 40–49 | 0.016 (–0.086, 0.112) | 0.562 (0.080, 0.923) | |
| Stage IIA × Age of diag. 40–49 | 0.051 (–0.063, 0.158) | 0.308 (–0.134, 0.581) | |
| Stage IIB × Age of diag. 40–49 | –0.057 (–0.157, 0.057) | 0.050 (–0.508, 0.392) | –0.143 (–0.225, –0.060) |
| Stage IIIA × Age of diag. 40–49 | 0.036 (–0.078, 0.155) | 0.331 (–0.317, 0.687) | |
| Stage IIIB × Age of diag. 40–49 | –0.212 (–0.311, –0.054) | 0.968 (0.604, 1.142) | –0.401 (–0.553, –0.248) |
| Stage I × Age of diag. 50–59 | 0.133 (0.047, 0.201) | 0.764 (0.391, 0.903) | 0.221 (0.143, 0.299) |
| Stage IIA × Age of diag. 50–59 | 0.091 (–0.004, 0.168) | 0.537 (0.095, 0.670) | 0.137 (0.056, 0.217) |
| Stage IIB × Age of diag. 50–59 | 0.028 (–0.064, 0.121) | 0.450 (0.061, 0.626) | |
| Stage IIIA × Age of diag. 50–59 | 0.054 (–0.059, 0.228) | 0.176 (–0.221, 0.341) | |
| Stage IIIB × Age of diag. 50–59 | –0.103 (–0.248, 0.020) | 1.041 (0.506, 1.203) | –0.284 (–0.437, –0.132) |
| Stage I × Age of diag. 60–69 | 0.304 (0.218, 0.355) | 0.930 (0.399, 1.068) | 0.336 (0.237, 0.435) |
| Stage IIA × Age of diag. 60–69 | 0.283 (0.170, 0.359) | 0.680 (0.101, 0.798) | 0.264 (0.160, 0.369) |
| Stage IIB × Age of diag. 60–69 | 0.204 (0.105, 0.254) | 0.733 (0.149, 0.891) | 0.152 (0.037, 0.266) |
| Stage IIIA × Age of diag. 60–69 | 0.263 (0.170, 0.378) | 0.220 (–0.355, 0.326) | 0.233 (0.084, 0.382) |
| Stage IIIB × Age of diag. 60–69 | 0.131 (0.049, 0.216) | 1.178 (0.965, 1.325) | |
| Stage I × Age of diag. 85+ | 0.278 (0.144, 0.421) | 0.949 (0.751, 1.058) | –0.415 (–0.591, –0.238) |
| Stage IIA × Age of diag. 85+ | 0.263 (0.112, 0.384) | 0.698 (0.406, 0.794) | –0.413 (–0.595, –0.231) |
| Stage IIB × Age of diag. 85+ | 0.280 (0.077, 0.405) | 0.649 (0.376, 0.784) | –0.246 (–0.457, –0.034) |

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Table 3 – continued from the previous page

| Variable | AFT-Bayes-LASSO | Cox-LASSO | GenF-f-pval |
|-------------------------------|-------------------------|------------------------|-------------------------|
| Stage IIIA × Age of diag. 85+ | 0.350 (0.135, 0.520) | 0.266 (0.014, 0.368) | |
| Stage IIIB × Age of diag. 85+ | 0.304 (0.112, 0.459) | 1.029 (0.774, 1.156) | −0.048 (−0.287, 0.192) |
| Grade 1 × ER− | 0.008 (−0.029, 0.044) | 0.859 (0.607, 0.965) | |
| Grade 2 × ER− | −0.021 (−0.088, 0.011) | 0.681 (0.321, 0.783) | |
| Grade 4 × ER− | −0.013 (−0.094, 0.070) | 0.679 (0.370, 0.822) | |
| Grade 1 × PR− | −0.009 (−0.043, 0.021) | 0.419 (0.086, 0.541) | |
| Grade 2 × PR− | −0.024 (−0.052, −0.004) | 0.102 (−0.230, 0.437) | −0.059 (−0.109, −0.009) |
| Grade 4 × PR− | 0.034 (−0.026, 0.080) | 0.141 (−0.173, 0.430) | |
| Grade 1 × Black race | −0.018 (−0.058, 0.022) | 0.271 (−0.133, 0.545) | |
| Grade 2 × Black race | −0.008 (−0.029, 0.021) | 0.500 (0.074, 0.884) | |
| Grade 4 × Black race | 0.071 (−0.072, 0.213) | 0.418 (0.001, 0.709) | |
| Grade 1 × Age of diag. 20–29 | 0.438 (0.180, 0.700) | 0.014 (−0.043, 0.200) | |
| Grade 2 × Age of diag. 20–29 | −0.101 (−0.309, 0.051) | −0.003 (−0.078, 0.033) | |
| Grade 4 × Age of diag. 20–29 | −0.081 (−0.318, 0.231) | −0.005 (−0.148, 0.069) | |
| Grade 1 × Age of diag. 30–39 | 0.144 (0.032, 0.252) | −0.034 (−0.072, 0.008) | 0.275 (0.003, 0.546) |
| Grade 2 × Age of diag. 30–39 | 0.000 (−0.056, 0.037) | 0.000 (−0.042, 0.151) | |
| Grade 4 × Age of diag. 30–39 | −0.071 (−0.145, −0.003) | −0.025 (−0.256, 0.116) | |
| Grade 1 × Age of diag. 40–49 | 0.169 (0.124, 0.230) | 0.552 (0.022, 1.409) | 0.325 (0.204, 0.446) |
| Grade 2 × Age of diag. 40–49 | 0.065 (0.039, 0.111) | −0.059 (−0.357, 0.152) | 0.130 (0.060, 0.200) |
| Grade 4 × Age of diag. 40–49 | 0.011 (−0.056, 0.069) | | |
| Grade 1 × Age of diag. 50–59 | 0.061 (0.029, 0.097) | −0.023 (−0.638, 0.348) | 0.186 (0.085, 0.288) |
| Grade 2 × Age of diag. 50–59 | 0.064 (0.036, 0.091) | 0.315 (0.028, 0.618) | 0.113 (0.046, 0.180) |
| Grade 4 × Age of diag. 50–59 | 0.084 (−0.045, 0.185) | 0.009 (−0.039, 0.148) | 0.108 (−0.021, 0.237) |
| Grade 1 × Age of diag. 60–69 | −0.007 (−0.037, 0.016) | −0.059 (−0.251, 0.110) | |
| Grade 2 × Age of diag. 60–69 | 0.029 (−0.004, 0.060) | 0.561 (0.335, 0.717) | |
| Grade 4 × Age of diag. 60–69 | 0.001 (−0.105, 0.107) | 0.264 (0.170, 0.366) | |
| Grade 1 × Age of diag. 85+ | 0.023 (−0.058, 0.093) | 0.409 (0.251, 0.551) | |
| Grade 2 × Age of diag. 85+ | −0.029 (−0.074, 0.035) | 0.236 (0.162, 0.341) | −0.097 (−0.186, −0.008) |
| Grade 4 × Age of diag. 85+ | 0.033 (−0.147, 0.205) | 0.084 (0.005, 0.240) | |
| ER− × PR− | 0.041 (0.014, 0.074) | 0.139 (0.011, 0.220) | 0.064 (−0.008, 0.135) |
| ER− × Black race | −0.047 (−0.109, 0.013) | 0.137 (0.055, 0.218) | |
| ER− × Age of diag. 20–29 | −0.073 (−0.249, 0.047) | −0.002 (−0.114, 0.059) | |
| ER− × Age of diag. 30–39 | 0.031 (−0.030, 0.097) | 0.137 (0.024, 0.293) | |
| ER− × Age of diag. 40–49 | −0.049 (−0.106, −0.009) | 0.013 (−0.068, 0.503) | −0.122 (−0.195, −0.050) |
| ER− × Age of diag. 50–59 | 0.009 (−0.042, 0.068) | 0.079 (0.007, 0.199) | −0.076 (−0.147, −0.005) |
| ER− × Age of diag. 60–69 | −0.026 (−0.049, 0.000) | −0.042 (−0.130, 0.013) | −0.092 (−0.162, −0.021) |
| ER− × Age of diag. 85+ | 0.008 (−0.068, 0.066) | −0.001 (−0.044, 0.085) | |
| PR− × Black race | 0.004 (−0.048, 0.046) | −0.027 (−0.092, 0.039) | |
| PR− × Age of diag. 20–29 | 0.164 (0.044, 0.296) | | 0.247 (−0.025, 0.520) |

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| Variable | AFT-Bayes-LASSO | Cox-LASSO | GenF-f-pval |
|---------------------------------|-------------------------|-------------------------|-------------------------|
| PR- × Age of diag. 30–39 | 0.008 (−0.052, 0.083) | 0.342 (0.023, 0.605) | |
| PR- × Age of diag. 40–49 | 0.000 (−0.054, 0.035) | 0.011 (−0.019, 0.132) | |
| PR- × Age of diag. 50–59 | −0.024 (−0.049, 0.004) | 0.047 (0.002, 0.111) | |
| PR- × Age of diag. 60–69 | 0.026 (0.002, 0.068) | | |
| PR- × Age of diag. 85+ | 0.053 (−0.017, 0.130) | 0.124 (0.011, 0.213) | 0.098 (0.002, 0.194) |
| Black race × Age of diag. 20–29 | 0.019 (−0.114, 0.128) | −0.080 (−0.439, 0.156) | |
| Black race × Age of diag. 30–39 | −0.047 (−0.100, 0.016) | −0.150 (−0.311, −0.007) | −0.131 (−0.269, 0.007) |
| Black race × Age of diag. 40–49 | −0.054 (−0.086, −0.009) | −0.202 (−0.326, −0.047) | −0.186 (−0.293, −0.080) |
| Black race × Age of diag. 50–59 | −0.046 (−0.095, 0.025) | −0.192 (−0.308, −0.030) | −0.137 (−0.246, −0.028) |
| Black race × Age of diag. 60–69 | −0.102 (−0.173, −0.019) | −0.194 (−0.333, −0.038) | −0.195 (−0.307, −0.082) |
| Black race × Age of diag. 85+ | −0.007 (−0.154, 0.118) | 0.056 (−0.140, 0.262) | |

Table 4: Estimated 5 year survival probabilities along with the 95% credible intervals for all 1,344 groups defined by the levels of the prognostic factors and the age group of diagnosis. Here Black and White races are abbreviated as B and W.

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| I | 1 | + | + | W | 0.956 | 0.960 | 0.964 | 0.950 | 0.919 | 0.819 | 0.553 |
| | | | | | (0.933 | (0.947 | (0.961 | (0.947 | (0.914 | (0.811 | (0.529 |
| I | 1 | + | + | B | 0.947 | 0.945 | 0.949 | 0.930 | 0.874 | 0.784 | 0.500 |
| | | | | | (0.910 | (0.930 | (0.940 | (0.923 | (0.852 | (0.760 | (0.438 |
| I | 1 | + | - | W | 0.977 | 0.959 | 0.957 | 0.940 | 0.893 | 0.809 | 0.552 |
| | | | | | (0.947 | (0.943 | (0.953 | (0.932 | (0.906 | (0.783 | (0.505 |
| I | 1 | + | - | B | 0.961 | 0.938 | 0.942 | 0.916 | 0.868 | 0.763 | 0.503 |
| | | | | | (0.933 | (0.915 | (0.928 | (0.899 | (0.851 | (0.727 | (0.446 |
| I | 1 | - | + | W | 0.981 | 0.959 | 0.955 | 0.932 | 0.896 | 0.789 | 0.556 |
| | | | | | (0.947 | (0.944 | (0.944 | (0.929 | (0.883 | (0.769 | (0.487 |
| I | 1 | - | + | B | 0.934 | 0.956 | 0.952 | 0.941 | 0.898 | 0.791 | 0.518 |
| | | | | | (0.868 | (0.944 | (0.944 | (0.929 | (0.883 | (0.769 | (0.487 |
| I | 1 | - | - | W | 0.911 | 0.932 | 0.923 | 0.909 | 0.827 | 0.731 | 0.441 |
| | | | | | (0.831 | (0.909 | (0.905 | (0.892 | (0.773 | (0.690 | (0.364 |
| I | 1 | - | - | B | 0.970 | 0.949 | 0.935 | 0.932 | 0.874 | 0.786 | 0.516 |
| | | | | | (0.912 | (0.944 | (0.945 | (0.928 | (0.887 | (0.759 | (0.497 |
| I | 1 | - | - | W | 0.956 | 0.956 | 0.951 | 0.936 | 0.902 | 0.787 | 0.542 |
| | | | | | (0.912 | (0.944 | (0.945 | (0.928 | (0.887 | (0.759 | (0.497 |
| I | 1 | - | - | B | 0.941 | 0.932 | 0.922 | 0.902 | 0.834 | 0.728 | 0.465 |
| | | | | | (0.891 | (0.916 | (0.909 | (0.886 | (0.803 | (0.701 | (0.405 |
| I | 2 | + | + | W | 0.976 | 0.945 | 0.933 | 0.925 | 0.869 | 0.769 | 0.529 |
| | | | | | (0.778 | (0.932 | (0.944 | (0.940 | (0.912 | (0.793 | (0.475 |
| I | 2 | + | + | B | 0.831 | 0.937 | 0.948 | 0.944 | 0.917 | 0.800 | 0.497 |
| | | | | | (0.885 | (0.942 | (0.951 | (0.947 | (0.922 | (0.808 | (0.514 |
| I | 2 | + | - | W | 0.808 | 0.914 | 0.928 | 0.923 | 0.873 | 0.767 | 0.450 |
| | | | | | (0.733 | (0.904 | (0.919 | (0.912 | (0.855 | (0.749 | (0.381 |
| I | 2 | + | - | B | 0.882 | 0.925 | 0.935 | 0.935 | 0.890 | 0.790 | 0.523 |
| | | | | | (0.862 | (0.927 | (0.938 | (0.930 | (0.909 | (0.773 | (0.489 |
| I | 2 | + | - | W | 0.805 | 0.918 | 0.930 | 0.922 | 0.902 | 0.760 | 0.461 |
| | | | | | (0.907 | (0.939 | (0.945 | (0.937 | (0.914 | (0.781 | (0.519 |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| I | 2 | + | - | B | 0.843 | 0.902 | 0.915 | 0.906 | 0.863 | 0.739 | 0.445 |
| | | | | | (0.779 | (0.878 | (0.901 | (0.894 | (0.851 | (0.715 | (0.395 |
| | | | | | 0.902) | 0.918) | 0.930) | 0.926) | 0.884) | 0.761) | 0.498) |
| I | 2 | - | + | W | 0.759 | 0.925 | 0.925 | 0.930 | 0.888 | 0.758 | 0.446 |
| | | | | | (0.602 | (0.910 | (0.917 | (0.919 | (0.876 | (0.733 | (0.408 |
| | | | | | 0.853) | 0.939) | 0.933) | 0.939) | 0.902) | 0.780) | 0.479) |
| I | 2 | - | + | B | 0.710 | 0.886 | 0.885 | 0.894 | 0.815 | 0.698 | 0.379 |
| | | | | | (0.563 | (0.840 | (0.869 | (0.869 | (0.766 | (0.657 | (0.294 |
| | | | | | 0.847) | 0.920) | 0.908) | 0.917) | 0.865) | 0.761) | 0.465) |
| I | 2 | - | - | W | 0.815 | 0.922 | 0.920 | 0.921 | 0.888 | 0.747 | 0.461 |
| | | | | | (0.688 | (0.915 | (0.912 | (0.913 | (0.881 | (0.729 | (0.438 |
| | | | | | 0.881) | 0.932) | 0.926) | 0.931) | 0.896) | 0.766) | 0.489) |
| I | 2 | - | - | B | 0.775 | 0.884 | 0.879 | 0.882 | 0.818 | 0.688 | 0.394 |
| | | | | | (0.650 | (0.865 | (0.870 | (0.857 | (0.784 | (0.651 | (0.334 |
| | | | | | 0.867) | 0.902) | 0.892) | 0.901) | 0.845) | 0.723) | 0.468) |
| I | 3 | + | + | W | 0.839 | 0.923 | 0.926 | 0.920 | 0.893 | 0.767 | 0.469 |
| | | | | | (0.794 | (0.913 | (0.921 | (0.914 | (0.887 | (0.754 | (0.431 |
| | | | | | 0.889) | 0.932) | 0.930) | 0.926) | 0.900) | 0.779) | 0.518) |
| I | 3 | + | + | B | 0.821 | 0.898 | 0.900 | 0.895 | 0.842 | 0.735 | 0.428 |
| | | | | | (0.750 | (0.880 | (0.888 | (0.881 | (0.822 | (0.708 | (0.353 |
| | | | | | 0.880) | 0.911) | 0.911) | 0.907) | 0.865) | 0.757) | 0.517) |
| I | 3 | + | - | W | 0.876 | 0.916 | 0.918 | 0.906 | 0.889 | 0.748 | 0.475 |
| | | | | | (0.828 | (0.898 | (0.911 | (0.900 | (0.880 | (0.730 | (0.434 |
| | | | | | 0.909) | 0.931) | 0.925) | 0.915) | 0.898) | 0.763) | 0.503) |
| I | 3 | + | - | B | 0.862 | 0.890 | 0.890 | 0.878 | 0.838 | 0.716 | 0.435 |
| | | | | | (0.776 | (0.857 | (0.873 | (0.861 | (0.819 | (0.680 | (0.373 |
| | | | | | 0.905) | 0.914) | 0.906) | 0.897) | 0.863) | 0.746) | 0.503) |
| I | 3 | - | + | W | 0.782 | 0.914 | 0.899 | 0.905 | 0.864 | 0.731 | 0.431 |
| | | | | | (0.728 | (0.900 | (0.889 | (0.892 | (0.851 | (0.699 | (0.367 |
| | | | | | 0.830) | 0.926) | 0.908) | 0.918) | 0.874) | 0.753) | 0.490) |
| I | 3 | - | + | B | 0.738 | 0.873 | 0.852 | 0.863 | 0.785 | 0.673 | 0.369 |
| | | | | | (0.652 | (0.830 | (0.835 | (0.852 | (0.742 | (0.638 | (0.301 |
| | | | | | 0.820) | 0.899) | 0.864) | 0.877) | 0.835) | 0.713) | 0.471) |
| I | 3 | - | - | W | 0.843 | 0.915 | 0.899 | 0.900 | 0.871 | 0.731 | 0.459 |
| | | | | | (0.787 | (0.906 | (0.894 | (0.890 | (0.865 | (0.716 | (0.404 |
| | | | | | 0.872) | 0.922) | 0.904) | 0.908) | 0.878) | 0.750) | 0.499) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| I | 3 | - | - | B | 0.809 | 0.877 | 0.853 | 0.856 | 0.797 | 0.674 | 0.396 |
| | | | | | (0.741 | (0.857 | (0.841 | (0.844 | (0.767 | (0.651 | (0.347 |
| | | | | | 0.857) | 0.893) | 0.867) | 0.869) | 0.826) | 0.694) | 0.481) |
| I | 4 | + | + | W | 0.830 | 0.922 | 0.938 | 0.944 | 0.908 | 0.795 | 0.523 |
| | | | | | (0.719 | (0.911 | (0.926 | (0.932 | (0.890 | (0.778 | (0.425 |
| | | | | | 0.906) | 0.937) | 0.948) | 0.957) | 0.922) | 0.817) | 0.619) |
| I | 4 | + | + | B | 0.837 | 0.911 | 0.929 | 0.935 | 0.882 | 0.793 | 0.520 |
| | | | | | (0.748 | (0.869 | (0.907 | (0.899 | (0.844 | (0.733 | (0.409 |
| | | | | | 0.918) | 0.938) | 0.951) | 0.959) | 0.921) | 0.845) | 0.654) |
| I | 4 | + | - | W | 0.878 | 0.922 | 0.937 | 0.939 | 0.911 | 0.791 | 0.548 |
| | | | | | (0.789 | (0.903 | (0.919 | (0.924 | (0.885 | (0.765 | (0.429 |
| | | | | | 0.938) | 0.939) | 0.949) | 0.953) | 0.930) | 0.815) | 0.648) |
| I | 4 | + | - | B | 0.882 | 0.909 | 0.927 | 0.930 | 0.886 | 0.790 | 0.547 |
| | | | | | (0.786 | (0.849 | (0.899 | (0.881 | (0.836 | (0.711 | (0.423 |
| | | | | | 0.954) | 0.949) | 0.954) | 0.958) | 0.932) | 0.854) | 0.679) |
| I | 4 | - | + | W | 0.764 | 0.909 | 0.912 | 0.930 | 0.878 | 0.755 | 0.477 |
| | | | | | (0.588 | (0.884 | (0.892 | (0.902 | (0.830 | (0.710 | (0.377 |
| | | | | | 0.882) | 0.936) | 0.936) | 0.951) | 0.901) | 0.794) | 0.578) |
| I | 4 | - | + | B | 0.753 | 0.886 | 0.888 | 0.912 | 0.831 | 0.733 | 0.449 |
| | | | | | (0.588 | (0.849 | (0.836 | (0.850 | (0.763 | (0.657 | (0.355 |
| | | | | | 0.878) | 0.927) | 0.922) | 0.943) | 0.876) | 0.791) | 0.591) |
| I | 4 | - | - | W | 0.839 | 0.918 | 0.919 | 0.932 | 0.894 | 0.770 | 0.524 |
| | | | | | (0.692 | (0.901 | (0.908 | (0.905 | (0.866 | (0.741 | (0.424 |
| | | | | | 0.923) | 0.939) | 0.937) | 0.953) | 0.915) | 0.800) | 0.614) |
| I | 4 | - | - | B | 0.830 | 0.897 | 0.897 | 0.913 | 0.852 | 0.749 | 0.497 |
| | | | | | (0.689 | (0.849 | (0.858 | (0.848 | (0.794 | (0.685 | (0.393 |
| | | | | | 0.930) | 0.933) | 0.929) | 0.946) | 0.896) | 0.801) | 0.614) |
| IIA | 1 | + | + | W | 0.961 | 0.946 | 0.961 | 0.933 | 0.899 | 0.791 | 0.504 |
| | | | | | (0.931 | (0.926 | (0.955 | (0.924 | (0.892 | (0.776 | (0.466 |
| | | | | | 0.984) | 0.958) | 0.965) | 0.940) | 0.908) | 0.812) | 0.537) |
| IIA | 1 | + | + | B | 0.951 | 0.921 | 0.941 | 0.903 | 0.838 | 0.743 | 0.441 |
| | | | | | (0.903 | (0.895 | (0.928 | (0.891 | (0.801 | (0.714 | (0.381 |
| | | | | | 0.982) | 0.941) | 0.950) | 0.913) | 0.865) | 0.772) | 0.496) |
| IIA | 1 | + | - | W | 0.967 | 0.931 | 0.949 | 0.909 | 0.879 | 0.745 | 0.475 |
| | | | | | (0.935 | (0.909 | (0.941 | (0.898 | (0.866 | (0.728 | (0.411 |
| | | | | | 0.985) | 0.951) | 0.957) | 0.923) | 0.891) | 0.769) | 0.535) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIA | 1 | + | - | B | 0.959 | 0.900 | 0.924 | 0.871 | 0.811 | 0.693 | 0.415 |
| | | | | | (0.914 0.981) | (0.863 0.931) | (0.909 0.940) | (0.844 0.889) | (0.785 0.847) | (0.651 0.727) | (0.359 0.468) |
| IIA | 1 | - | + | W | 0.938 | 0.934 | 0.940 | 0.913 | 0.860 | 0.739 | 0.444 |
| | | | | | (0.889 0.977) | (0.910 0.948) | (0.927 0.950) | (0.893 0.929) | (0.848 0.874) | (0.717 0.761) | (0.401 0.490) |
| IIA | 1 | - | + | B | 0.911 | 0.893 | 0.901 | 0.862 | 0.763 | 0.662 | 0.361 |
| | | | | | (0.832 0.972) | (0.866 0.913) | (0.879 0.915) | (0.840 0.884) | (0.703 0.822) | (0.622 0.713) | (0.297 0.437) |
| IIA | 1 | - | - | W | 0.952 | 0.924 | 0.931 | 0.893 | 0.848 | 0.709 | 0.438 |
| | | | | | (0.912 0.980) | (0.902 0.943) | (0.922 0.939) | (0.876 0.908) | (0.831 0.863) | (0.688 0.727) | (0.394 0.500) |
| IIA | 1 | - | - | B | 0.933 | 0.879 | 0.887 | 0.835 | 0.748 | 0.629 | 0.358 |
| | | | | | (0.868 0.974) | (0.850 0.900) | (0.863 0.905) | (0.805 0.858) | (0.704 0.798) | (0.594 0.664) | (0.297 0.424) |
| IIA | 2 | + | + | W | 0.822 | 0.895 | 0.929 | 0.908 | 0.873 | 0.730 | 0.401 |
| | | | | | (0.724 0.889) | (0.886 0.903) | (0.924 0.932) | (0.903 0.913) | (0.867 0.881) | (0.713 0.743) | (0.383 0.417) |
| IIA | 2 | + | + | B | 0.789 | 0.853 | 0.897 | 0.871 | 0.804 | 0.680 | 0.349 |
| | | | | | (0.663 0.880) | (0.834 0.871) | (0.885 0.909) | (0.856 0.891) | (0.771 0.834) | (0.657 0.707) | (0.296 0.419) |
| IIA | 2 | + | - | W | 0.837 | 0.864 | 0.905 | 0.871 | 0.844 | 0.670 | 0.367 |
| | | | | | (0.756 0.899) | (0.841 0.887) | (0.895 0.916) | (0.860 0.881) | (0.836 0.854) | (0.651 0.685) | (0.331 0.399) |
| IIA | 2 | + | - | B | 0.808 | 0.815 | 0.866 | 0.825 | 0.767 | 0.618 | 0.319 |
| | | | | | (0.697 0.890) | (0.776 0.848) | (0.845 0.887) | (0.806 0.857) | (0.745 0.802) | (0.577 0.651) | (0.279 0.361) |
| IIA | 2 | - | + | W | 0.730 | 0.864 | 0.887 | 0.873 | 0.816 | 0.656 | 0.334 |
| | | | | | (0.606 0.824) | (0.844 0.880) | (0.867 0.900) | (0.854 0.894) | (0.796 0.836) | (0.630 0.682) | (0.295 0.369) |
| IIA | 2 | - | + | B | 0.667 | 0.795 | 0.825 | 0.809 | 0.707 | 0.576 | 0.270 |
| | | | | | (0.533 0.786) | (0.748 0.833) | (0.797 0.844) | (0.782 0.834) | (0.650 0.764) | (0.546 0.616) | (0.212 0.350) |
| IIA | 2 | - | - | W | 0.768 | 0.841 | 0.865 | 0.842 | 0.796 | 0.614 | 0.322 |
| | | | | | (0.655 0.848) | (0.817 0.856) | (0.848 0.875) | (0.825 0.861) | (0.775 0.811) | (0.591 0.639) | (0.289 0.356) |

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Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIA | 2 | - | - | B | 0.712 | 0.767 | 0.796 | 0.769 | 0.682 | 0.534 | 0.261 |
| | | | | | (0.596 | (0.726 | (0.772 | (0.735 | (0.640 | (0.497 | (0.214 |
| | | | | | 0.823) | 0.799) | 0.820) | 0.804) | 0.734) | 0.570) | 0.326) |
| IIA | 3 | + | + | W | 0.829 | 0.873 | 0.899 | 0.871 | 0.838 | 0.689 | 0.375 |
| | | | | | (0.767 | (0.864 | (0.889 | (0.863 | (0.825 | (0.675 | (0.343 |
| | | | | | 0.897) | 0.886) | 0.906) | 0.877) | 0.851) | 0.702) | 0.405) |
| IIA | 3 | + | + | B | 0.800 | 0.829 | 0.859 | 0.826 | 0.762 | 0.641 | 0.329 |
| | | | | | (0.719 | (0.811 | (0.845 | (0.806 | (0.718 | (0.621 | (0.268 |
| | | | | | 0.896) | 0.846) | 0.874) | 0.851) | 0.798) | 0.662) | 0.409) |
| IIA | 3 | + | - | W | 0.853 | 0.846 | 0.874 | 0.833 | 0.813 | 0.639 | 0.353 |
| | | | | | (0.792 | (0.819 | (0.854 | (0.821 | (0.795 | (0.624 | (0.325 |
| | | | | | 0.899) | 0.872) | 0.889) | 0.845) | 0.831) | 0.656) | 0.383) |
| IIA | 3 | + | - | B | 0.828 | 0.796 | 0.828 | 0.781 | 0.732 | 0.591 | 0.311 |
| | | | | | (0.727 | (0.759 | (0.812 | (0.761 | (0.700 | (0.561 | (0.259 |
| | | | | | 0.899) | 0.824) | 0.843) | 0.808) | 0.769) | 0.615) | 0.361) |
| IIA | 3 | - | + | W | 0.751 | 0.844 | 0.850 | 0.833 | 0.780 | 0.623 | 0.320 |
| | | | | | (0.687 | (0.830 | (0.832 | (0.812 | (0.765 | (0.597 | (0.267 |
| | | | | | 0.808) | 0.860) | 0.867) | 0.858) | 0.800) | 0.648) | 0.365) |
| IIA | 3 | - | + | B | 0.693 | 0.773 | 0.778 | 0.761 | 0.665 | 0.547 | 0.261 |
| | | | | | (0.595 | (0.722 | (0.754 | (0.742 | (0.605 | (0.521 | (0.211 |
| | | | | | 0.802) | 0.812) | 0.804) | 0.781) | 0.733) | 0.586) | 0.347) |
| IIA | 3 | - | - | W | 0.798 | 0.828 | 0.832 | 0.805 | 0.768 | 0.593 | 0.318 |
| | | | | | (0.749 | (0.817 | (0.819 | (0.791 | (0.757 | (0.581 | (0.276 |
| | | | | | 0.839) | 0.841) | 0.842) | 0.821) | 0.781) | 0.609) | 0.357) |
| IIA | 3 | - | - | B | 0.748 | 0.755 | 0.756 | 0.726 | 0.653 | 0.518 | 0.261 |
| | | | | | (0.677 | (0.729 | (0.737 | (0.706 | (0.605 | (0.498 | (0.216 |
| | | | | | 0.834) | 0.783) | 0.777) | 0.751) | 0.701) | 0.540) | 0.333) |
| IIA | 4 | + | + | W | 0.792 | 0.847 | 0.897 | 0.889 | 0.833 | 0.682 | 0.385 |
| | | | | | (0.631 | (0.832 | (0.872 | (0.865 | (0.799 | (0.655 | (0.305 |
| | | | | | 0.872) | 0.864) | 0.919) | 0.911) | 0.857) | 0.720) | 0.490) |
| IIA | 4 | + | + | B | 0.791 | 0.822 | 0.878 | 0.869 | 0.786 | 0.671 | 0.373 |
| | | | | | (0.663 | (0.764 | (0.847 | (0.806 | (0.738 | (0.599 | (0.274 |
| | | | | | 0.883) | 0.865) | 0.907) | 0.911) | 0.835) | 0.729) | 0.488) |
| IIA | 4 | + | - | W | 0.830 | 0.828 | 0.881 | 0.866 | 0.820 | 0.650 | 0.381 |
| | | | | | (0.696 | (0.796 | (0.847 | (0.835 | (0.766 | (0.614 | (0.280 |
| | | | | | 0.910) | 0.850) | 0.918) | 0.891) | 0.857) | 0.709) | 0.493) |

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Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIA | 4 | + | - | B | 0.829 | 0.801 | 0.861 | 0.843 | 0.771 | 0.640 | 0.370 |
| | | | | | (0.701 | (0.715 | (0.819 | (0.762 | (0.697 | (0.551 | (0.263 |
| | | | | | 0.918) | 0.867) | 0.900) | 0.895) | 0.841) | 0.714) | 0.495) |
| IIA | 4 | - | + | W | 0.698 | 0.808 | 0.844 | 0.851 | 0.768 | 0.609 | 0.324 |
| | | | | | (0.561 | (0.763 | (0.816 | (0.802 | (0.704 | (0.567 | (0.251 |
| | | | | | 0.806) | 0.855) | 0.877) | 0.890) | 0.803) | 0.646) | 0.425) |
| IIA | 4 | - | + | B | 0.675 | 0.761 | 0.800 | 0.810 | 0.688 | 0.571 | 0.293 |
| | | | | | (0.564 | (0.701 | (0.730 | (0.698 | (0.612 | (0.496 | (0.223 |
| | | | | | 0.779) | 0.833) | 0.845) | 0.872) | 0.741) | 0.626) | 0.397) |
| IIA | 4 | - | - | W | 0.765 | 0.804 | 0.838 | 0.837 | 0.771 | 0.597 | 0.338 |
| | | | | | (0.657 | (0.764 | (0.811 | (0.792 | (0.729 | (0.562 | (0.264 |
| | | | | | 0.865) | 0.831) | 0.865) | 0.876) | 0.803) | 0.623) | 0.447) |
| IIA | 4 | - | - | B | 0.745 | 0.756 | 0.793 | 0.794 | 0.693 | 0.562 | 0.308 |
| | | | | | (0.657 | (0.686 | (0.732 | (0.681 | (0.618 | (0.491 | (0.229 |
| | | | | | 0.864) | 0.814) | 0.847) | 0.862) | 0.763) | 0.623) | 0.414) |
| IIB | 1 | + | + | W | 0.947 | 0.927 | 0.941 | 0.912 | 0.864 | 0.768 | 0.485 |
| | | | | | (0.895 | (0.899 | (0.930 | (0.902 | (0.850 | (0.745 | (0.443 |
| | | | | | 0.973) | 0.943) | 0.948) | 0.923) | 0.880) | 0.793) | 0.536) |
| IIB | 1 | + | + | B | 0.931 | 0.893 | 0.911 | 0.872 | 0.786 | 0.715 | 0.420 |
| | | | | | (0.863 | (0.866 | (0.897 | (0.854 | (0.729 | (0.680 | (0.332 |
| | | | | | 0.970) | 0.922) | 0.928) | 0.891) | 0.818) | 0.759) | 0.507) |
| IIB | 1 | + | - | W | 0.950 | 0.899 | 0.918 | 0.871 | 0.826 | 0.703 | 0.437 |
| | | | | | (0.903 | (0.870 | (0.907 | (0.860 | (0.809 | (0.685 | (0.376 |
| | | | | | 0.973) | 0.929) | 0.929) | 0.885) | 0.858) | 0.740) | 0.527) |
| IIB | 1 | + | - | B | 0.938 | 0.856 | 0.879 | 0.819 | 0.737 | 0.645 | 0.377 |
| | | | | | (0.879 | (0.807 | (0.857 | (0.796 | (0.697 | (0.609 | (0.292 |
| | | | | | 0.966) | 0.902) | 0.903) | 0.847) | 0.781) | 0.691) | 0.479) |
| IIB | 1 | - | + | W | 0.904 | 0.900 | 0.902 | 0.874 | 0.798 | 0.691 | 0.401 |
| | | | | | (0.814 | (0.870 | (0.881 | (0.853 | (0.755 | (0.657 | (0.351 |
| | | | | | 0.961) | 0.923) | 0.916) | 0.892) | 0.824) | 0.720) | 0.457) |
| IIB | 1 | - | + | B | 0.864 | 0.841 | 0.841 | 0.803 | 0.674 | 0.605 | 0.323 |
| | | | | | (0.733 | (0.789 | (0.803 | (0.758 | (0.558 | (0.539 | (0.231 |
| | | | | | 0.954) | 0.883) | 0.874) | 0.848) | 0.757) | 0.675) | 0.420) |
| IIB | 1 | - | - | W | 0.919 | 0.877 | 0.877 | 0.836 | 0.767 | 0.639 | 0.378 |
| | | | | | (0.848 | (0.844 | (0.852 | (0.820 | (0.723 | (0.597 | (0.307 |
| | | | | | 0.961) | 0.902) | 0.900) | 0.849) | 0.806) | 0.689) | 0.457) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIB | 1 | - | - | B | 0.887 | 0.810 | 0.807 | 0.753 | 0.638 | 0.552 | 0.304 |
| | | | | | (0.795 0.953) | (0.760 0.842) | (0.768 0.838) | (0.713 0.806) | (0.550 0.707) | (0.499 0.608) | (0.219 0.410) |
| IIB | 2 | + | + | W | 0.740 | 0.840 | 0.879 | 0.861 | 0.807 | 0.671 | 0.352 |
| | | | | | (0.647 0.840) | (0.826 0.855) | (0.871 0.887) | (0.847 0.870) | (0.797 0.818) | (0.655 0.689) | (0.320 0.402) |
| IIB | 2 | + | + | B | 0.698 | 0.781 | 0.828 | 0.808 | 0.715 | 0.614 | 0.302 |
| | | | | | (0.561 0.790) | (0.756 0.810) | (0.795 0.846) | (0.786 0.834) | (0.669 0.757) | (0.557 0.654) | (0.238 0.382) |
| IIB | 2 | + | - | W | 0.744 | 0.784 | 0.830 | 0.798 | 0.753 | 0.587 | 0.305 |
| | | | | | (0.647 0.841) | (0.760 0.821) | (0.811 0.852) | (0.783 0.812) | (0.738 0.766) | (0.568 0.602) | (0.259 0.373) |
| IIB | 2 | + | - | B | 0.704 | 0.716 | 0.768 | 0.733 | 0.651 | 0.530 | 0.262 |
| | | | | | (0.577 0.801) | (0.675 0.757) | (0.725 0.792) | (0.708 0.758) | (0.619 0.681) | (0.494 0.561) | (0.208 0.337) |
| IIB | 2 | - | + | W | 0.605 | 0.778 | 0.798 | 0.796 | 0.710 | 0.567 | 0.271 |
| | | | | | (0.486 0.721) | (0.743 0.818) | (0.776 0.815) | (0.758 0.819) | (0.673 0.744) | (0.536 0.600) | (0.229 0.317) |
| IIB | 2 | - | + | B | 0.532 | 0.683 | 0.704 | 0.706 | 0.575 | 0.482 | 0.218 |
| | | | | | (0.382 0.681) | (0.598 0.769) | (0.665 0.762) | (0.648 0.771) | (0.471 0.675) | (0.420 0.557) | (0.151 0.292) |
| IIB | 2 | - | - | W | 0.632 | 0.731 | 0.749 | 0.736 | 0.666 | 0.503 | 0.248 |
| | | | | | (0.524 0.739) | (0.689 0.764) | (0.719 0.780) | (0.714 0.762) | (0.630 0.697) | (0.469 0.536) | (0.209 0.304) |
| IIB | 2 | - | - | B | 0.562 | 0.631 | 0.648 | 0.637 | 0.528 | 0.422 | 0.200 |
| | | | | | (0.424 0.678) | (0.573 0.695) | (0.612 0.688) | (0.583 0.692) | (0.449 0.592) | (0.367 0.470) | (0.146 0.267) |
| IIB | 3 | + | + | W | 0.727 | 0.791 | 0.815 | 0.791 | 0.739 | 0.601 | 0.305 |
| | | | | | (0.635 0.817) | (0.768 0.811) | (0.800 0.827) | (0.771 0.816) | (0.721 0.757) | (0.573 0.626) | (0.280 0.329) |
| IIB | 3 | + | + | B | 0.689 | 0.726 | 0.752 | 0.728 | 0.637 | 0.546 | 0.263 |
| | | | | | (0.592 0.781) | (0.698 0.751) | (0.703 0.773) | (0.684 0.751) | (0.596 0.684) | (0.479 0.578) | (0.207 0.312) |
| IIB | 3 | + | - | W | 0.742 | 0.736 | 0.761 | 0.722 | 0.688 | 0.528 | 0.272 |
| | | | | | (0.666 0.827) | (0.691 0.773) | (0.743 0.786) | (0.706 0.736) | (0.664 0.709) | (0.505 0.547) | (0.232 0.312) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIB | 3 | + | - | B | 0.707 | 0.666 | 0.691 | 0.651 | 0.582 | 0.475 | 0.236 |
| | | | | | (0.600 0.784) | (0.614 0.716) | (0.643 0.721) | (0.629 0.670) | (0.550 0.615) | (0.428 0.511) | (0.185 0.278) |
| IIB | 3 | - | + | W | 0.602 | 0.729 | 0.720 | 0.718 | 0.639 | 0.505 | 0.240 |
| | | | | | (0.495 0.678) | (0.702 0.752) | (0.690 0.742) | (0.679 0.757) | (0.609 0.662) | (0.470 0.533) | (0.215 0.268) |
| IIB | 3 | - | + | B | 0.533 | 0.631 | 0.617 | 0.620 | 0.503 | 0.427 | 0.194 |
| | | | | | (0.421 0.635) | (0.554 0.697) | (0.583 0.659) | (0.565 0.662) | (0.422 0.594) | (0.375 0.482) | (0.147 0.245) |
| IIB | 3 | - | - | W | 0.642 | 0.689 | 0.675 | 0.661 | 0.604 | 0.456 | 0.228 |
| | | | | | (0.577 0.704) | (0.672 0.711) | (0.647 0.706) | (0.644 0.680) | (0.576 0.637) | (0.432 0.480) | (0.193 0.261) |
| IIB | 3 | - | - | B | 0.576 | 0.588 | 0.570 | 0.559 | 0.470 | 0.382 | 0.185 |
| | | | | | (0.490 0.654) | (0.547 0.623) | (0.542 0.599) | (0.531 0.591) | (0.405 0.525) | (0.355 0.411) | (0.144 0.231) |
| IIB | 4 | + | + | W | 0.688 | 0.762 | 0.820 | 0.823 | 0.740 | 0.603 | 0.322 |
| | | | | | (0.521 0.802) | (0.720 0.806) | (0.790 0.863) | (0.749 0.869) | (0.663 0.781) | (0.543 0.658) | (0.259 0.381) |
| IIB | 4 | + | + | B | 0.684 | 0.727 | 0.788 | 0.793 | 0.676 | 0.587 | 0.308 |
| | | | | | (0.540 0.788) | (0.652 0.790) | (0.732 0.833) | (0.701 0.865) | (0.582 0.756) | (0.492 0.671) | (0.235 0.402) |
| IIB | 4 | + | - | W | 0.720 | 0.720 | 0.781 | 0.776 | 0.706 | 0.549 | 0.303 |
| | | | | | (0.553 0.826) | (0.661 0.782) | (0.745 0.846) | (0.687 0.825) | (0.614 0.753) | (0.478 0.619) | (0.233 0.369) |
| IIB | 4 | + | - | B | 0.717 | 0.683 | 0.747 | 0.743 | 0.641 | 0.536 | 0.291 |
| | | | | | (0.529 0.835) | (0.578 0.776) | (0.663 0.799) | (0.626 0.826) | (0.512 0.730) | (0.430 0.625) | (0.211 0.377) |
| IIB | 4 | - | + | W | 0.551 | 0.689 | 0.721 | 0.752 | 0.634 | 0.500 | 0.249 |
| | | | | | (0.405 0.660) | (0.612 0.766) | (0.674 0.768) | (0.694 0.814) | (0.587 0.669) | (0.451 0.540) | (0.201 0.292) |
| IIB | 4 | - | + | B | 0.521 | 0.626 | 0.656 | 0.695 | 0.537 | 0.460 | 0.223 |
| | | | | | (0.388 0.633) | (0.575 0.702) | (0.610 0.701) | (0.601 0.778) | (0.478 0.604) | (0.405 0.515) | (0.171 0.294) |
| IIB | 4 | - | - | W | 0.610 | 0.664 | 0.693 | 0.715 | 0.618 | 0.470 | 0.248 |
| | | | | | (0.461 0.725) | (0.601 0.729) | (0.641 0.740) | (0.645 0.774) | (0.557 0.653) | (0.414 0.514) | (0.204 0.293) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIB | 4 | - | - | B | 0.583 | 0.602 | 0.628 | 0.656 | 0.523 | 0.432 | 0.222 |
| | | | | | (0.461 | (0.539 | (0.590 | (0.555 | (0.460 | (0.379 | (0.177 |
| | | | | | 0.704) | 0.666) | 0.670) | 0.739) | 0.588) | 0.485) | 0.279) |
| IIIA | 1 | + | + | W | 0.911 | 0.899 | 0.932 | 0.881 | 0.833 | 0.696 | 0.441 |
| | | | | | (0.834 | (0.860 | (0.916 | (0.840 | (0.795 | (0.643 | (0.343 |
| | | | | | 0.961) | 0.931) | 0.949) | 0.912) | 0.866) | 0.745) | 0.523) |
| IIIA | 1 | + | + | B | 0.870 | 0.833 | 0.882 | 0.807 | 0.715 | 0.602 | 0.349 |
| | | | | | (0.757 | (0.760 | (0.835 | (0.752 | (0.658 | (0.548 | (0.248 |
| | | | | | 0.950) | 0.891) | 0.917) | 0.875) | 0.798) | 0.684) | 0.453) |
| IIIA | 1 | + | - | W | 0.911 | 0.852 | 0.896 | 0.816 | 0.774 | 0.602 | 0.376 |
| | | | | | (0.845 | (0.794 | (0.861 | (0.737 | (0.711 | (0.535 | (0.310 |
| | | | | | 0.952) | 0.905) | 0.920) | 0.859) | 0.819) | 0.677) | 0.470) |
| IIIA | 1 | + | - | B | 0.872 | 0.768 | 0.828 | 0.721 | 0.640 | 0.505 | 0.293 |
| | | | | | (0.786 | (0.651 | (0.779 | (0.640 | (0.575 | (0.440 | (0.226 |
| | | | | | 0.933) | 0.851) | 0.867) | 0.794) | 0.715) | 0.577) | 0.354) |
| IIIA | 1 | - | + | W | 0.829 | 0.848 | 0.874 | 0.816 | 0.736 | 0.584 | 0.340 |
| | | | | | (0.679 | (0.787 | (0.805 | (0.759 | (0.667 | (0.510 | (0.249 |
| | | | | | 0.942) | 0.919) | 0.914) | 0.875) | 0.808) | 0.670) | 0.442) |
| IIIA | 1 | - | + | B | 0.745 | 0.738 | 0.775 | 0.695 | 0.565 | 0.461 | 0.251 |
| | | | | | (0.512 | (0.591 | (0.626 | (0.566 | (0.420 | (0.348 | (0.151 |
| | | | | | 0.914) | 0.862) | 0.855) | 0.807) | 0.696) | 0.578) | 0.378) |
| IIIA | 1 | - | - | W | 0.844 | 0.803 | 0.832 | 0.750 | 0.682 | 0.509 | 0.302 |
| | | | | | (0.751 | (0.742 | (0.786 | (0.671 | (0.616 | (0.444 | (0.236 |
| | | | | | 0.930) | 0.865) | 0.876) | 0.815) | 0.751) | 0.578) | 0.383) |
| IIIA | 1 | - | - | B | 0.766 | 0.681 | 0.716 | 0.615 | 0.507 | 0.390 | 0.221 |
| | | | | | (0.623 | (0.575 | (0.629 | (0.514 | (0.415 | (0.322 | (0.149 |
| | | | | | 0.896) | 0.783) | 0.797) | 0.728) | 0.629) | 0.490) | 0.309) |
| IIIA | 2 | + | + | W | 0.636 | 0.790 | 0.862 | 0.819 | 0.770 | 0.590 | 0.315 |
| | | | | | (0.571 | (0.764 | (0.846 | (0.792 | (0.740 | (0.549 | (0.267 |
| | | | | | 0.708) | 0.829) | 0.878) | 0.844) | 0.802) | 0.626) | 0.365) |
| IIIA | 2 | + | + | B | 0.554 | 0.690 | 0.781 | 0.727 | 0.636 | 0.496 | 0.247 |
| | | | | | (0.437 | (0.627 | (0.733 | (0.671 | (0.570 | (0.438 | (0.192 |
| | | | | | 0.697) | 0.770) | 0.821) | 0.794) | 0.701) | 0.562) | 0.315) |
| IIIA | 2 | + | - | W | 0.621 | 0.706 | 0.795 | 0.727 | 0.691 | 0.483 | 0.258 |
| | | | | | (0.515 | (0.655 | (0.767 | (0.676 | (0.647 | (0.441 | (0.222 |
| | | | | | 0.735) | 0.756) | 0.828) | 0.772) | 0.738) | 0.555) | 0.300) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIIA | 2 | + | - | B | 0.541 | 0.595 | 0.694 | 0.618 | 0.547 | 0.395 | 0.200 |
| | | | | | (0.373 0.659) | (0.484 0.645) | (0.607 0.740) | (0.568 0.682) | (0.479 0.593) | (0.318 0.446) | (0.167 0.237) |
| IIIA | 2 | - | + | W | 0.465 | 0.694 | 0.753 | 0.720 | 0.639 | 0.458 | 0.227 |
| | | | | | (0.345 0.590) | (0.609 0.789) | (0.672 0.789) | (0.661 0.772) | (0.563 0.707) | (0.408 0.506) | (0.174 0.284) |
| IIIA | 2 | - | + | B | 0.366 | 0.554 | 0.618 | 0.583 | 0.465 | 0.348 | 0.168 |
| | | | | | (0.245 0.517) | (0.409 0.698) | (0.486 0.685) | (0.466 0.671) | (0.349 0.553) | (0.274 0.417) | (0.113 0.244) |
| IIIA | 2 | - | - | W | 0.472 | 0.620 | 0.681 | 0.631 | 0.571 | 0.379 | 0.195 |
| | | | | | (0.349 0.575) | (0.563 0.690) | (0.645 0.715) | (0.578 0.678) | (0.517 0.619) | (0.345 0.416) | (0.157 0.234) |
| IIIA | 2 | - | - | B | 0.372 | 0.478 | 0.537 | 0.489 | 0.400 | 0.282 | 0.145 |
| | | | | | (0.277 0.489) | (0.386 0.586) | (0.467 0.595) | (0.425 0.566) | (0.331 0.468) | (0.250 0.337) | (0.108 0.194) |
| IIIA | 3 | + | + | W | 0.609 | 0.722 | 0.785 | 0.727 | 0.684 | 0.505 | 0.264 |
| | | | | | (0.523 0.728) | (0.692 0.760) | (0.767 0.803) | (0.705 0.753) | (0.654 0.715) | (0.458 0.540) | (0.221 0.305) |
| IIIA | 3 | + | + | B | 0.532 | 0.615 | 0.684 | 0.621 | 0.541 | 0.418 | 0.208 |
| | | | | | (0.424 0.673) | (0.554 0.669) | (0.623 0.722) | (0.574 0.681) | (0.494 0.591) | (0.362 0.458) | (0.163 0.263) |
| IIIA | 3 | + | - | W | 0.606 | 0.640 | 0.708 | 0.629 | 0.608 | 0.414 | 0.223 |
| | | | | | (0.495 0.741) | (0.579 0.727) | (0.673 0.757) | (0.579 0.681) | (0.556 0.663) | (0.370 0.494) | (0.181 0.260) |
| IIIA | 3 | + | - | B | 0.532 | 0.528 | 0.596 | 0.516 | 0.465 | 0.337 | 0.175 |
| | | | | | (0.363 0.648) | (0.430 0.614) | (0.520 0.643) | (0.467 0.560) | (0.415 0.503) | (0.278 0.393) | (0.149 0.204) |
| IIIA | 3 | - | + | W | 0.449 | 0.626 | 0.657 | 0.620 | 0.551 | 0.388 | 0.194 |
| | | | | | (0.357 0.542) | (0.559 0.705) | (0.567 0.687) | (0.552 0.670) | (0.485 0.610) | (0.340 0.433) | (0.155 0.236) |
| IIIA | 3 | - | + | B | 0.355 | 0.487 | 0.514 | 0.480 | 0.386 | 0.293 | 0.146 |
| | | | | | (0.241 0.479) | (0.372 0.603) | (0.381 0.567) | (0.372 0.558) | (0.285 0.462) | (0.235 0.347) | (0.103 0.203) |
| IIIA | 3 | - | - | W | 0.469 | 0.561 | 0.589 | 0.536 | 0.495 | 0.327 | 0.174 |
| | | | | | (0.395 0.545) | (0.517 0.612) | (0.561 0.615) | (0.507 0.583) | (0.457 0.542) | (0.304 0.351) | (0.147 0.203) |

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Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIIA | 3 | - | - | B | 0.373 | 0.424 | 0.446 | 0.401 | 0.337 | 0.244 | 0.131 |
| | | | | | (0.295 | (0.354 | (0.377 | (0.353 | (0.283 | (0.219 | (0.102 |
| | | | | | 0.457) | 0.491) | 0.485) | 0.452) | 0.381) | 0.274) | 0.167) |
| IIIA | 4 | + | + | W | 0.576 | 0.698 | 0.797 | 0.776 | 0.696 | 0.519 | 0.289 |
| | | | | | (0.432 | (0.641 | (0.730 | (0.730 | (0.632 | (0.459 | (0.211 |
| | | | | | 0.751) | 0.758) | 0.845) | 0.809) | 0.750) | 0.580) | 0.368) |
| IIIA | 4 | + | + | B | 0.538 | 0.627 | 0.735 | 0.713 | 0.594 | 0.469 | 0.251 |
| | | | | | (0.398 | (0.524 | (0.675 | (0.629 | (0.511 | (0.382 | (0.185 |
| | | | | | 0.727) | 0.705) | 0.799) | 0.776) | 0.678) | 0.550) | 0.326) |
| IIIA | 4 | + | - | W | 0.591 | 0.633 | 0.740 | 0.702 | 0.640 | 0.445 | 0.257 |
| | | | | | (0.449 | (0.541 | (0.654 | (0.627 | (0.561 | (0.375 | (0.179 |
| | | | | | 0.815) | 0.695) | 0.800) | 0.776) | 0.728) | 0.506) | 0.340) |
| IIIA | 4 | + | - | B | 0.556 | 0.560 | 0.670 | 0.633 | 0.536 | 0.401 | 0.225 |
| | | | | | (0.336 | (0.395 | (0.555 | (0.491 | (0.390 | (0.278 | (0.156 |
| | | | | | 0.801) | 0.666) | 0.757) | 0.736) | 0.651) | 0.504) | 0.304) |
| IIIA | 4 | - | + | W | 0.413 | 0.592 | 0.667 | 0.670 | 0.557 | 0.394 | 0.208 |
| | | | | | (0.292 | (0.501 | (0.580 | (0.598 | (0.474 | (0.332 | (0.149 |
| | | | | | 0.581) | 0.720) | 0.754) | 0.727) | 0.638) | 0.474) | 0.283) |
| IIIA | 4 | - | + | B | 0.354 | 0.492 | 0.565 | 0.571 | 0.427 | 0.328 | 0.170 |
| | | | | | (0.259 | (0.375 | (0.473 | (0.481 | (0.350 | (0.272 | (0.119 |
| | | | | | 0.485) | 0.627) | 0.641) | 0.633) | 0.480) | 0.367) | 0.255) |
| IIIA | 4 | - | - | W | 0.450 | 0.546 | 0.619 | 0.607 | 0.520 | 0.348 | 0.196 |
| | | | | | (0.312 | (0.486 | (0.553 | (0.563 | (0.449 | (0.312 | (0.149 |
| | | | | | 0.659) | 0.642) | 0.697) | 0.657) | 0.578) | 0.410) | 0.253) |
| IIIA | 4 | - | - | B | 0.391 | 0.447 | 0.515 | 0.508 | 0.394 | 0.289 | 0.160 |
| | | | | | (0.289 | (0.369 | (0.457 | (0.429 | (0.340 | (0.247 | (0.123 |
| | | | | | 0.601) | 0.561) | 0.589) | 0.582) | 0.457) | 0.333) | 0.216) |
| IIIB | 1 | + | + | W | 0.883 | 0.795 | 0.786 | 0.723 | 0.657 | 0.555 | 0.291 |
| | | | | | (0.754 | (0.679 | (0.707 | (0.652 | (0.558 | (0.449 | (0.213 |
| | | | | | 0.975) | 0.882) | 0.859) | 0.783) | 0.718) | 0.653) | 0.358) |
| IIIB | 1 | + | + | B | 0.815 | 0.655 | 0.638 | 0.565 | 0.463 | 0.419 | 0.199 |
| | | | | | (0.625 | (0.473 | (0.490 | (0.448 | (0.341 | (0.281 | (0.144 |
| | | | | | 0.958) | 0.803) | 0.774) | 0.651) | 0.554) | 0.533) | 0.258) |
| IIIB | 1 | + | - | W | 0.882 | 0.721 | 0.707 | 0.620 | 0.576 | 0.458 | 0.244 |
| | | | | | (0.748 | (0.602 | (0.640 | (0.550 | (0.485 | (0.381 | (0.181 |
| | | | | | 0.972) | 0.842) | 0.789) | 0.693) | 0.661) | 0.551) | 0.317) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIIB | 1 | + | - | B | 0.815 | 0.568 | 0.545 | 0.457 | 0.387 | 0.335 | 0.168 |
| | | | | | (0.639 | (0.391 | (0.417 | (0.351 | (0.271 | (0.224 | (0.119 |
| | | | | | 0.953) | 0.748) | 0.689) | 0.573) | 0.513) | 0.444) | 0.233) |
| IIIB | 1 | - | + | W | 0.777 | 0.696 | 0.640 | 0.594 | 0.503 | 0.416 | 0.203 |
| | | | | | (0.582 | (0.542 | (0.505 | (0.470 | (0.379 | (0.294 | (0.139 |
| | | | | | 0.960) | 0.803) | 0.759) | 0.684) | 0.583) | 0.511) | 0.264) |
| IIIB | 1 | - | + | B | 0.653 | 0.511 | 0.450 | 0.407 | 0.302 | 0.279 | 0.131 |
| | | | | | (0.389 | (0.329 | (0.284 | (0.281 | (0.199 | (0.169 | (0.098 |
| | | | | | 0.933) | 0.648) | 0.591) | 0.505) | 0.383) | 0.358) | 0.174) |
| IIIB | 1 | - | - | W | 0.792 | 0.630 | 0.567 | 0.506 | 0.443 | 0.348 | 0.180 |
| | | | | | (0.610 | (0.503 | (0.482 | (0.430 | (0.363 | (0.276 | (0.134 |
| | | | | | 0.954) | 0.755) | 0.674) | 0.570) | 0.501) | 0.422) | 0.233) |
| IIIB | 1 | - | - | B | 0.673 | 0.444 | 0.381 | 0.330 | 0.258 | 0.229 | 0.118 |
| | | | | | (0.449 | (0.294 | (0.270 | (0.249 | (0.191 | (0.157 | (0.092 |
| | | | | | 0.914) | 0.586) | 0.503) | 0.393) | 0.317) | 0.290) | 0.150) |
| IIIB | 2 | + | + | W | 0.665 | 0.710 | 0.716 | 0.697 | 0.647 | 0.523 | 0.248 |
| | | | | | (0.443 | (0.650 | (0.671 | (0.646 | (0.619 | (0.495 | (0.203 |
| | | | | | 0.892) | 0.758) | 0.758) | 0.737) | 0.682) | 0.557) | 0.301) |
| IIIB | 2 | + | + | B | 0.555 | 0.555 | 0.557 | 0.541 | 0.456 | 0.392 | 0.172 |
| | | | | | (0.318 | (0.482 | (0.495 | (0.485 | (0.412 | (0.346 | (0.132 |
| | | | | | 0.840) | 0.627) | 0.642) | 0.607) | 0.522) | 0.441) | 0.210) |
| IIIB | 2 | + | - | W | 0.654 | 0.614 | 0.616 | 0.582 | 0.556 | 0.419 | 0.203 |
| | | | | | (0.433 | (0.510 | (0.549 | (0.493 | (0.504 | (0.369 | (0.147 |
| | | | | | 0.870) | 0.667) | 0.689) | 0.663) | 0.620) | 0.458) | 0.253) |
| IIIB | 2 | + | - | B | 0.543 | 0.456 | 0.454 | 0.426 | 0.372 | 0.303 | 0.143 |
| | | | | | (0.316 | (0.358 | (0.401 | (0.355 | (0.321 | (0.258 | (0.104 |
| | | | | | 0.812) | 0.535) | 0.520) | 0.547) | 0.480) | 0.351) | 0.169) |
| IIIB | 2 | - | + | W | 0.484 | 0.576 | 0.537 | 0.549 | 0.475 | 0.372 | 0.165 |
| | | | | | (0.277 | (0.505 | (0.454 | (0.481 | (0.414 | (0.300 | (0.132 |
| | | | | | 0.824) | 0.692) | 0.622) | 0.622) | 0.554) | 0.430) | 0.210) |
| IIIB | 2 | - | + | B | 0.359 | 0.394 | 0.356 | 0.369 | 0.284 | 0.247 | 0.112 |
| | | | | | (0.172 | (0.311 | (0.273 | (0.304 | (0.222 | (0.189 | (0.088 |
| | | | | | 0.748) | 0.509) | 0.464) | 0.479) | 0.384) | 0.327) | 0.150) |
| IIIB | 2 | - | - | W | 0.493 | 0.497 | 0.455 | 0.453 | 0.408 | 0.301 | 0.145 |
| | | | | | (0.291 | (0.414 | (0.401 | (0.401 | (0.373 | (0.268 | (0.110 |
| | | | | | 0.785) | 0.581) | 0.521) | 0.504) | 0.450) | 0.335) | 0.177) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIIB | 2 | - | - | B | 0.364 | 0.326 | 0.289 | 0.291 | 0.237 | 0.197 | 0.101 |
| | | | | | (0.192 0.692) | (0.254 0.389) | (0.248 0.333) | (0.248 0.342) | (0.200 0.281) | (0.175 0.220) | (0.080 0.123) |
| IIIB | 3 | + | + | W | 0.644 | 0.635 | 0.606 | 0.586 | 0.552 | 0.444 | 0.208 |
| | | | | | (0.389 0.888) | (0.602 0.672) | (0.571 0.631) | (0.543 0.628) | (0.514 0.589) | (0.404 0.489) | (0.188 0.232) |
| IIIB | 3 | + | + | B | 0.537 | 0.479 | 0.446 | 0.431 | 0.370 | 0.326 | 0.147 |
| | | | | | (0.300 0.821) | (0.414 0.555) | (0.394 0.519) | (0.382 0.477) | (0.324 0.427) | (0.269 0.384) | (0.125 0.171) |
| IIIB | 3 | + | - | W | 0.642 | 0.547 | 0.513 | 0.480 | 0.473 | 0.358 | 0.176 |
| | | | | | (0.440 0.914) | (0.476 0.604) | (0.464 0.572) | (0.408 0.562) | (0.426 0.551) | (0.317 0.393) | (0.139 0.205) |
| IIIB | 3 | + | - | B | 0.535 | 0.397 | 0.362 | 0.338 | 0.307 | 0.258 | 0.127 |
| | | | | | (0.355 0.859) | (0.312 0.477) | (0.317 0.420) | (0.277 0.430) | (0.250 0.401) | (0.203 0.314) | (0.100 0.151) |
| IIIB | 3 | - | + | W | 0.476 | 0.507 | 0.433 | 0.445 | 0.394 | 0.313 | 0.144 |
| | | | | | (0.251 0.750) | (0.451 0.565) | (0.370 0.481) | (0.393 0.481) | (0.350 0.451) | (0.256 0.358) | (0.124 0.161) |
| IIIB | 3 | - | + | B | 0.352 | 0.336 | 0.275 | 0.286 | 0.229 | 0.208 | 0.101 |
| | | | | | (0.160 0.650) | (0.266 0.393) | (0.216 0.331) | (0.251 0.341) | (0.190 0.277) | (0.157 0.246) | (0.085 0.117) |
| IIIB | 3 | - | - | W | 0.495 | 0.442 | 0.368 | 0.367 | 0.344 | 0.260 | 0.130 |
| | | | | | (0.305 0.723) | (0.386 0.488) | (0.331 0.403) | (0.336 0.401) | (0.316 0.370) | (0.237 0.284) | (0.109 0.153) |
| IIIB | 3 | - | - | B | 0.368 | 0.285 | 0.229 | 0.231 | 0.198 | 0.173 | 0.094 |
| | | | | | (0.206 0.618) | (0.237 0.322) | (0.197 0.262) | (0.206 0.257) | (0.174 0.230) | (0.150 0.197) | (0.079 0.107) |
| IIIB | 4 | + | + | W | 0.591 | 0.584 | 0.600 | 0.620 | 0.540 | 0.432 | 0.214 |
| | | | | | (0.336 0.867) | (0.509 0.664) | (0.500 0.678) | (0.539 0.692) | (0.441 0.639) | (0.349 0.525) | (0.163 0.275) |
| IIIB | 4 | + | + | B | 0.520 | 0.468 | 0.479 | 0.504 | 0.398 | 0.352 | 0.168 |
| | | | | | (0.315 0.808) | (0.333 0.576) | (0.374 0.585) | (0.356 0.633) | (0.274 0.550) | (0.236 0.478) | (0.122 0.250) |
| IIIB | 4 | + | - | W | 0.608 | 0.515 | 0.526 | 0.533 | 0.481 | 0.365 | 0.189 |
| | | | | | (0.373 0.876) | (0.413 0.610) | (0.439 0.592) | (0.448 0.606) | (0.398 0.578) | (0.282 0.438) | (0.139 0.246) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IIIB | 4 | + | - | B | 0.537 | 0.406 | 0.410 | 0.423 | 0.349 | 0.295 | 0.151 |
| | | | | | (0.358 0.835) | (0.265 0.550) | (0.322 0.515) | (0.274 0.549) | (0.228 0.505) | (0.189 0.413) | (0.113 0.212) |
| IIIB | 4 | - | + | W | 0.419 | 0.449 | 0.422 | 0.472 | 0.379 | 0.299 | 0.146 |
| | | | | | (0.206 0.784) | (0.353 0.578) | (0.323 0.553) | (0.353 0.573) | (0.264 0.482) | (0.225 0.380) | (0.105 0.192) |
| IIIB | 4 | - | + | B | 0.334 | 0.322 | 0.299 | 0.345 | 0.248 | 0.223 | 0.111 |
| | | | | | (0.162 0.679) | (0.211 0.417) | (0.179 0.412) | (0.202 0.472) | (0.140 0.364) | (0.135 0.304) | (0.078 0.161) |
| IIIB | 4 | - | - | W | 0.453 | 0.405 | 0.374 | 0.410 | 0.345 | 0.261 | 0.137 |
| | | | | | (0.263 0.758) | (0.321 0.494) | (0.317 0.461) | (0.343 0.487) | (0.268 0.423) | (0.219 0.315) | (0.106 0.175) |
| IIIB | 4 | - | - | B | 0.362 | 0.288 | 0.261 | 0.294 | 0.225 | 0.194 | 0.106 |
| | | | | | (0.216 0.648) | (0.202 0.373) | (0.188 0.334) | (0.184 0.407) | (0.140 0.326) | (0.134 0.261) | (0.080 0.141) |
| IV | 1 | + | + | W | 0.631 | 0.633 | 0.617 | 0.477 | 0.296 | 0.273 | 0.092 |
| | | | | | (0.405 0.854) | (0.544 0.694) | (0.553 0.666) | (0.407 0.541) | (0.233 0.368) | (0.227 0.345) | (0.070 0.122) |
| IV | 1 | + | + | B | 0.420 | 0.373 | 0.354 | 0.250 | 0.136 | 0.145 | 0.073 |
| | | | | | (0.243 0.640) | (0.292 0.478) | (0.294 0.419) | (0.203 0.294) | (0.106 0.169) | (0.112 0.182) | (0.058 0.086) |
| IV | 1 | + | - | W | 0.545 | 0.453 | 0.432 | 0.298 | 0.187 | 0.167 | 0.076 |
| | | | | | (0.345 0.750) | (0.344 0.565) | (0.365 0.520) | (0.251 0.347) | (0.154 0.225) | (0.136 0.215) | (0.059 0.093) |
| IV | 1 | + | - | B | 0.339 | 0.240 | 0.221 | 0.148 | 0.094 | 0.096 | 0.077 |
| | | | | | (0.200 0.502) | (0.157 0.332) | (0.160 0.284) | (0.123 0.176) | (0.078 0.109) | (0.076 0.115) | (0.062 0.094) |
| IV | 1 | - | + | W | 0.263 | 0.276 | 0.234 | 0.176 | 0.105 | 0.101 | 0.077 |
| | | | | | (0.119 0.561) | (0.217 0.355) | (0.189 0.278) | (0.140 0.226) | (0.080 0.142) | (0.079 0.136) | (0.061 0.093) |
| IV | 1 | - | + | B | 0.143 | 0.130 | 0.111 | 0.092 | 0.074 | 0.074 | 0.119 |
| | | | | | (0.072 0.301) | (0.098 0.172) | (0.089 0.137) | (0.072 0.119) | (0.059 0.086) | (0.059 0.089) | (0.083 0.182) |
| IV | 1 | - | - | W | 0.216 | 0.180 | 0.152 | 0.114 | 0.081 | 0.079 | 0.090 |
| | | | | | (0.107 0.417) | (0.146 0.218) | (0.126 0.182) | (0.095 0.140) | (0.067 0.098) | (0.064 0.095) | (0.071 0.112) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IV | 1 | - | - | B | 0.116 | 0.093 | 0.083 | 0.074 | 0.077 | 0.075 | 0.160 |
| | | | | | (0.068 | (0.074 | (0.067 | (0.061 | (0.060 | (0.060 | (0.109 |
| | | | | | 0.204) | 0.116) | 0.097) | 0.087) | 0.093) | 0.090) | 0.227) |
| IV | 2 | + | + | W | 0.273 | 0.448 | 0.453 | 0.377 | 0.234 | 0.204 | 0.076 |
| | | | | | (0.167 | (0.371 | (0.412 | (0.334 | (0.208 | (0.183 | (0.063 |
| | | | | | 0.399) | 0.510) | 0.491) | 0.426) | 0.255) | 0.222) | 0.089) |
| IV | 2 | + | + | B | 0.151 | 0.235 | 0.235 | 0.192 | 0.112 | 0.113 | 0.075 |
| | | | | | (0.097 | (0.182 | (0.194 | (0.159 | (0.095 | (0.097 | (0.059 |
| | | | | | 0.209) | 0.300) | 0.278) | 0.224) | 0.126) | 0.130) | 0.091) |
| IV | 2 | + | - | W | 0.209 | 0.285 | 0.284 | 0.221 | 0.146 | 0.125 | 0.072 |
| | | | | | (0.128 | (0.202 | (0.235 | (0.189 | (0.129 | (0.109 | (0.058 |
| | | | | | 0.332) | 0.368) | 0.342) | 0.258) | 0.169) | 0.144) | 0.084) |
| IV | 2 | + | - | B | 0.120 | 0.147 | 0.144 | 0.115 | 0.082 | 0.082 | 0.091 |
| | | | | | (0.080 | (0.100 | (0.108 | (0.095 | (0.069 | (0.067 | (0.071 |
| | | | | | 0.177) | 0.206) | 0.183) | 0.138) | 0.094) | 0.095) | 0.115) |
| IV | 2 | - | + | W | 0.094 | 0.162 | 0.145 | 0.129 | 0.086 | 0.082 | 0.093 |
| | | | | | (0.064 | (0.121 | (0.126 | (0.106 | (0.073 | (0.069 | (0.070 |
| | | | | | 0.143) | 0.201) | 0.162) | 0.148) | 0.100) | 0.096) | 0.118) |
| IV | 2 | - | + | B | 0.075 | 0.088 | 0.082 | 0.078 | 0.074 | 0.073 | 0.167 |
| | | | | | (0.060 | (0.071 | (0.068 | (0.066 | (0.058 | (0.058 | (0.115 |
| | | | | | 0.091) | 0.105) | 0.095) | 0.091) | 0.092) | 0.088) | 0.264) |
| IV | 2 | - | - | W | 0.083 | 0.109 | 0.099 | 0.089 | 0.073 | 0.072 | 0.122 |
| | | | | | (0.061 | (0.090 | (0.087 | (0.077 | (0.061 | (0.059 | (0.094 |
| | | | | | 0.106) | 0.129) | 0.110) | 0.100) | 0.084) | 0.083) | 0.155) |
| IV | 2 | - | - | B | 0.075 | 0.074 | 0.073 | 0.073 | 0.087 | 0.086 | 0.235 |
| | | | | | (0.060 | (0.060 | (0.059 | (0.058 | (0.065 | (0.066 | (0.178 |
| | | | | | 0.095) | 0.085) | 0.084) | 0.086) | 0.110) | 0.108) | 0.323) |
| IV | 3 | + | + | W | 0.342 | 0.484 | 0.454 | 0.378 | 0.248 | 0.225 | 0.081 |
| | | | | | (0.219 | (0.406 | (0.424 | (0.350 | (0.223 | (0.208 | (0.066 |
| | | | | | 0.440) | 0.558) | 0.495) | 0.414) | 0.269) | 0.244) | 0.096) |
| IV | 3 | + | + | B | 0.192 | 0.263 | 0.239 | 0.194 | 0.119 | 0.125 | 0.073 |
| | | | | | (0.131 | (0.199 | (0.201 | (0.168 | (0.103 | (0.103 | (0.058 |
| | | | | | 0.233) | 0.355) | 0.285) | 0.225) | 0.134) | 0.143) | 0.087) |
| IV | 3 | + | - | W | 0.273 | 0.324 | 0.294 | 0.229 | 0.159 | 0.141 | 0.073 |
| | | | | | (0.177 | (0.241 | (0.258 | (0.208 | (0.142 | (0.121 | (0.058 |
| | | | | | 0.368) | 0.405) | 0.361) | 0.250) | 0.184) | 0.163) | 0.084) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|--------|--------|--------|--------|--------|--------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IV | 3 | + | - | B | 0.154 | 0.170 | 0.151 | 0.120 | 0.087 | 0.088 | 0.082 |
| | | | | | (0.103 | (0.114 | (0.116 | (0.101 | (0.074 | (0.071 | (0.065 |
| | | | | | 0.213) | 0.243) | 0.193) | 0.143) | 0.099) | 0.104) | 0.104) |
| IV | 3 | - | + | W | 0.112 | 0.183 | 0.150 | 0.133 | 0.091 | 0.088 | 0.084 |
| | | | | | (0.078 | (0.147 | (0.134 | (0.115 | (0.077 | (0.074 | (0.065 |
| | | | | | 0.173) | 0.223) | 0.164) | 0.148) | 0.106) | 0.102) | 0.104) |
| IV | 3 | - | + | B | 0.077 | 0.096 | 0.084 | 0.079 | 0.073 | 0.072 | 0.140 |
| | | | | | (0.061 | (0.078 | (0.070 | (0.066 | (0.058 | (0.058 | (0.099 |
| | | | | | 0.098) | 0.121) | 0.097) | 0.092) | 0.086) | 0.084) | 0.213) |
| IV | 3 | - | - | W | 0.097 | 0.124 | 0.104 | 0.093 | 0.076 | 0.074 | 0.104 |
| | | | | | (0.072 | (0.103 | (0.092 | (0.081 | (0.064 | (0.061 | (0.080 |
| | | | | | 0.126) | 0.150) | 0.117) | 0.103) | 0.086) | 0.084) | 0.134) |
| IV | 3 | - | - | B | 0.073 | 0.078 | 0.073 | 0.072 | 0.081 | 0.079 | 0.190 |
| | | | | | (0.059 | (0.063 | (0.059 | (0.058 | (0.062 | (0.062 | (0.144 |
| | | | | | 0.084) | 0.094) | 0.084) | 0.084) | 0.098) | 0.094) | 0.262) |
| IV | 4 | + | + | W | 0.205 | 0.310 | 0.321 | 0.291 | 0.166 | 0.151 | 0.074 |
| | | | | | (0.138 | (0.238 | (0.270 | (0.227 | (0.140 | (0.130 | (0.059 |
| | | | | | 0.306) | 0.376) | 0.372) | 0.348) | 0.208) | 0.172) | 0.088) |
| IV | 4 | + | + | B | 0.129 | 0.181 | 0.184 | 0.169 | 0.097 | 0.100 | 0.081 |
| | | | | | (0.090 | (0.108 | (0.116 | (0.104 | (0.075 | (0.076 | (0.063 |
| | | | | | 0.173) | 0.278) | 0.269) | 0.251) | 0.136) | 0.135) | 0.107) |
| IV | 4 | + | - | W | 0.171 | 0.208 | 0.210 | 0.184 | 0.117 | 0.104 | 0.076 |
| | | | | | (0.111 | (0.141 | (0.170 | (0.132 | (0.093 | (0.088 | (0.061 |
| | | | | | 0.259) | 0.279) | 0.260) | 0.235) | 0.155) | 0.124) | 0.094) |
| IV | 4 | + | - | B | 0.115 | 0.130 | 0.127 | 0.115 | 0.081 | 0.081 | 0.098 |
| | | | | | (0.075 | (0.076 | (0.083 | (0.075 | (0.062 | (0.062 | (0.066 |
| | | | | | 0.168) | 0.214) | 0.187) | 0.169) | 0.106) | 0.101) | 0.153) |
| IV | 4 | - | + | W | 0.081 | 0.112 | 0.105 | 0.104 | 0.075 | 0.074 | 0.110 |
| | | | | | (0.063 | (0.090 | (0.086 | (0.082 | (0.062 | (0.061 | (0.076 |
| | | | | | 0.122) | 0.133) | 0.126) | 0.125) | 0.087) | 0.086) | 0.159) |
| IV | 4 | - | + | B | 0.075 | 0.078 | 0.076 | 0.077 | 0.080 | 0.077 | 0.188 |
| | | | | | (0.059 | (0.062 | (0.061 | (0.061 | (0.061 | (0.060 | (0.098 |
| | | | | | 0.089) | 0.095) | 0.090) | 0.092) | 0.102) | 0.098) | 0.300) |
| IV | 4 | - | - | W | 0.077 | 0.088 | 0.083 | 0.082 | 0.072 | 0.073 | 0.140 |
| | | | | | (0.060 | (0.070 | (0.070 | (0.066 | (0.058 | (0.058 | (0.089 |
| | | | | | 0.097) | 0.103) | 0.095) | 0.096) | 0.085) | 0.086) | 0.216) |

Continued on the next page

Table 4 – continued from the previous page

| Stage | Grade | ER | PR | Race | Age of diagnosis | | | | | | |
|-------|-------|----|----|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | | | | | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-84 | 85+ |
| IV | 4 | - | - | B | 0.077 | 0.075 | 0.075 | 0.076 | 0.097 | 0.093 | 0.246 |
| | | | | | (0.060 0.102) | (0.059 0.091) | (0.059 0.096) | (0.059 0.104) | (0.067 0.145) | (0.068 0.139) | (0.124 0.410) |