Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.
eFigure 1. Joinpoint Trend Analysis of Localized Prostate Cancers by Ethnicity in the United States

* Black dot indicates Joinpoint location
* H, Hispanic; NH, Non-Hispanic;
eFigure 2. Joinpoint Trend Analysis of Regional Prostate Cancer by Ethnicity in the United States

*Black dot indicates Joinpoint location
*H, Hispanic; NH, Non-Hispanic;
eFigure 3. Joinpoint Trend Analysis of Distant Prostate Cancer by Ethnicity in the United States

* Black dot indicates Joinpoint location
* H, Hispanic; NH, Non-Hispanic.
| Diagnosis Year | Race      | Under 65 years | 65 - 74 years | 75+ years |
|----------------|-----------|----------------|---------------|-----------|
|                | Total Cases | Total Population | Total Cases | Total Population | Total Cases | Total Population |
| 2005           | AA 13,647 | 17,509,711     | 9,652        | 765,660 | 5,132 | 454,328 |
|                | AI/AN 347 | 1,689,270      | 283         | 57,803 | 155 | 28,638 |
|                | API 1,150 | 6,521,030     | 1,481        | 313,668 | 1,076 | 188,295 |
|                | White 63,072 | 104,029,128 | 61,667 | 7,545,997 | 45,268 | 6,093,550 |
| 2006           | AA 15,123 | 17,769,164     | 10,081       | 785,597 | 5,103 | 461,878 |
|                | AI/AN 372 | 1,753,538      | 293         | 60,869 | 179 | 29,983 |
|                | API 1,329 | 6,741,337      | 1,652        | 332,241 | 1,140 | 198,025 |
|                | White 71,264 | 104,649,981 | 67,659 | 7,673,682 | 47,236 | 6,190,970 |
| 2007           | AA 16,667 | 18,030,125     | 10,784       | 807,080 | 5,323 | 471,475 |
|                | AI/AN 386 | 1,821,969      | 353         | 64,441 | 188 | 31,539 |
|                | API 1,501 | 6,952,475      | 1,836        | 351,839 | 1,151 | 208,139 |
|                | White 77,765 | 105,171,176 | 71,228 | 7,879,565 | 47,681 | 6,275,031 |
| 2008           | AA 16,987 | 18,284,415     | 10,714       | 835,548 | 4,924 | 482,980 |
|                | AI/AN 382 | 1,895,467      | 333         | 68,783 | 179 | 33,126 |
|                | API 1,598 | 7,168,590      | 1,726        | 371,854 | 1,048 | 219,352 |
|                | White 75,249 | 105,557,571 | 68,373 | 8,225,250 | 42,740 | 6,347,015 |
| 2009           | AA 17,913 | 18,529,766     | 11,016       | 863,857 | 4,749 | 494,311 |
|                | AI/AN 444 | 1,970,761      | 329         | 73,152 | 185 | 34,906 |
|                | API 1,575 | 7,371,064      | 1,807        | 393,485 | 1,063 | 230,828 |
|                | White 75,415 | 105,910,439 | 67,045 | 8,527,448 | 38,079 | 6,407,437 |
| 2010           | AA 17,588 | 18,766,009     | 10,685       | 892,938 | 4,498 | 511,248 |
|                | AI/AN 422 | 2,033,111      | 359         | 77,297 | 172 | 36,937 |
|                | API 1,597 | 7,567,308      | 1,768        | 415,241 | 995 | 244,770 |
|                | White 71,763 | 106,238,989 | 65,374 | 8,782,624 | 36,210 | 6,510,546 |
| 2011           | AA 18,488 | 18,973,621     | 10,920       | 922,635 | 4,451 | 530,588 |
|                | AI/AN 401 | 2,054,687      | 344         | 81,453 | 193 | 39,318 |
|                | API 1,742 | 7,771,898      | 1,913        | 439,480 | 1,102 | 262,678 |
|                | White 74,131 | 106,483,756 | 67,517 | 9,032,970 | 35,736 | 6,618,741 |
| 2012           | AA 16,621 | 19,163,066     | 10,179       | 979,528 | 3,890 | 550,227 |
|                | AI/AN 399 | 2,074,738      | 337         | 88,660 | 149 | 41,901 |
|                | API 1,513 | 7,978,230      | 1,719        | 470,877 | 889 | 282,255 |
|                | White 61,486 | 106,362,719 | 58,577 | 9,665,982 | 29,804 | 6,738,100 |
| 2013           | AA 16,351 | 19,342,455     | 10,097       | 1,037,258 | 3,931 | 569,557 |
|                | AI/AN 390 | 2,094,568      | 339         | 94,944 | 151 | 44,723 |
|                | API 1,478 | 8,189,768      | 1,782        | 504,154 | 926 | 302,859 |
|                | White 58,309 | 106,320,729 | 58,937 | 10,143,966 | 29,388 | 6,869,366 |
| 2014           | AA 16,218 | 19,522,616     | 10,077       | 1,097,878 | 3,629 | 591,343 |

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| Year | AA       | AI/AN    | API     | White    |
|------|----------|----------|---------|----------|
| 2015 | 16,815   | 403      | 1,531   | 57,105   |
|      | 19,700,913 | 2,134,164 | 8,647,800 | 106,383,509 |
|      | 11,023   | 335      | 2,024   | 62,987   |
|      | 1,162,920 | 108,352  | 577,922 | 11,014,823 |
|      | 3,918    | 154      | 1,016   | 31,015   |
|      | 615,318  | 51,096   | 324,956 | 7,164,570 |
| 2016 | 17,077   | 343      | 1,595   | 57,439   |
|      | 19,873,636 | 2,152,856 | 8,879,948 | 106,394,083 |
|      | 11,820   | 353      | 1,981   | 65,763   |
|      | 1,227,593 | 114,886  | 611,481 | 11,426,540 |
|      | 4,027    | 178      | 1,145   | 32,442   |
|      | 638,805  | 54,643   | 373,298 | 7,340,333 |
| 2017 | 17,637   | 426      | 1,688   | 59,814   |
|      | 20,031,123 | 2,169,960 | 9,087,008 | 106,302,520 |
|      | 12,331   | 368      | 2,286   | 65,314   |
|      | 1,285,699 | 121,107  | 645,384 | 11,800,803 |
|      | 4,176    | 191      | 1,252   | 33,974   |
|      | 663,947  | 58,373   | 398,415 | 7,561,291 |
| 2018 | 17,063   | 364      | 1,587   | 57,927   |
|      | 20,179,107 | 2,185,693 | 9,284,297 | 106,172,764 |
|      | 12,443   | 343      | 2,330   | 71,020   |
|      | 1,343,795 | 127,780  | 681,357 | 12,093,153 |
|      | 4,083    | 146      | 1,271   | 34,561   |
|      | 694,342  | 62,517   | 424,615 | 7,879,259 |

Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Populations – Total U.S. (1990-2018) – Linked to County Attributes – Total U.S., 1969-2018 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, released December 2019.

Abbreviations: AA, African American; AI/AN, American Indian or Alaska Native; API, Asian Pacific Islander
| Diagnosis Year | Ethnicity      | Under 65 Years | 65 - 74 Years | 75+ Years |
|----------------|---------------|----------------|---------------|-----------|
|                |               | Total Cases    | Total Population | Total Cases | Total Population | Total Cases | Total Population |
| 2005           | Hispanic      | 4,440          | 21,052,837     | 4,490      | 583,926          | 2,812       | 349,143          |
|                | Non-Hispanic  | 75,068         | 108,696,302    | 69,579     | 8,099,202        | 49,467      | 6,415,668        |
| 2006           | Hispanic      | 4,955          | 21,787,543     | 4,855      | 608,408          | 2,906       | 368,726          |
|                | Non-Hispanic  | 84,743         | 109,126,477    | 76,077     | 8,243,981        | 51,535      | 6,512,130        |
| 2007           | Hispanic      | 5,490          | 22,518,195     | 5,141      | 635,683          | 3,124       | 388,185          |
|                | Non-Hispanic  | 92,825         | 109,457,550    | 80,720     | 8,467,982        | 52,267      | 6,597,999        |
| 2008           | Hispanic      | 5,749          | 23,243,862     | 5,125      | 669,611          | 3,136       | 407,421          |
|                | Non-Hispanic  | 90,415         | 109,662,181    | 77,619     | 9,152,461        | 46,628      | 6,675,052        |
| 2009           | Hispanic      | 6,143          | 23,927,997     | 5,474      | 705,481          | 2,882       | 428,545          |
|                | Non-Hispanic  | 91,398         | 109,854,033    | 76,077     | 9,152,461        | 42,074      | 6,849,983        |
| 2010           | Hispanic      | 5,865          | 24,547,221     | 5,193      | 744,031          | 3,124       | 453,518          |
|                | Non-Hispanic  | 87,939         | 110,058,196    | 75,118     | 9,424,069        | 40,120      | 6,738,930        |
| 2011           | Hispanic      | 6,080          | 25,019,421     | 5,335      | 784,984          | 2,667       | 479,349          |
|                | Non-Hispanic  | 91,230         | 110,264,541    | 77,610     | 9,691,554        | 39,875      | 6,971,976        |
| 2012           | Hispanic      | 5,618          | 25,464,791     | 4,973      | 839,834          | 2,454       | 505,732          |
|                | Non-Hispanic  | 76,453         | 110,113,962    | 67,813     | 10,365,213       | 33,169      | 7,106,751        |
| 2013           | Hispanic      | 5,587          | 25,906,736     | 5,067      | 896,579          | 2,572       | 533,181          |
|                | Non-Hispanic  | 72,940         | 110,040,784    | 68,079     | 10,883,743       | 32,697      | 7,253,324        |
| 2014           | Hispanic      | 5,588          | 26,370,961     | 4,844      | 954,539          | 2,436       | 562,588          |
|                | Non-Hispanic  | 70,070         | 110,012,922    | 66,370     | 11,373,431       | 31,987      | 7,423,201        |
| 2015           | Hispanic      | 5,908          | 26,869,883     | 5,174      | 1,018,511        | 2,559       | 593,849          |
|                | Non-Hispanic  | 72,315         | 109,996,503    | 73,522     | 11,845,506       | 34,731      | 7,586,523        |
| 2016           | Hispanic      | 6,023          | 27,374,454     | 5,436      | 1,086,128        | 2,792       | 625,427          |
|                | Non-Hispanic  | 73,164         | 109,926,069    | 77,502     | 12,294,372       | 36,672      | 7,781,652        |
| 2017           | Hispanic      | 6,182          | 27,839,138     | 6,005      | 1,153,056        | 2,852       | 658,663          |
|                | Non-Hispanic  | 76,836         | 109,751,473    | 83,994     | 12,699,937       | 38,532      | 8,023,363        |
| 2018           | Hispanic      | 6,159          | 28,310,011     | 5,832      | 1,224,439        | 2,810       | 696,563          |
|                | Non-Hispanic  | 74,275         | 109,511,850    | 83,845     | 13,021,646       | 38,972      | 8,364,170        |

National Program of Cancer Registries and Surveillance, Epidemiology, and End Results (SEER) Program SEER*Stat Database: NPCR and SEER Incidence – U.S. Cancer Statistics Public Use Research Database, 2020 Submission (2001-2018). United States Department of Health and Human Services. Centers of Disease Control and Prevention and National Cancer Institute. Released June 2021. Accessed at [www.cdc.gov/cancer/uscs/public-use](http://www.cdc.gov/cancer/uscs/public-use).
**eTable 3. Annual Percent Change in Age-Adjusted Prostate Cancer Incidence Rates From 2005 to 2018 by Age Group and Ethnicity**

| Hispanic | Age Groups       | Number of Joinpoints | Time Segment | APC¹ (95% C.I.)          | P value |
|----------|------------------|----------------------|--------------|-------------------------|---------|
|          | Under 65 Years   | 2                    | 2005-2009    | 1.11 (-1.39 to 3.68)    | 0.32    |
|          |                   |                      | 2009-2013    | -7.78 (-11.15 to -4.28)| 0.002   |
|          |                   |                      | 2013-2018    | -2.05 (-3.63 to -0.45) | 0.02    |
|          | 65 – 74 Years    | 2                    | 2005-2009    | -0.49 (-4.30 to 3.47)  | 0.77    |
|          |                   |                      | 2009-2014    | -7.92 (-11.36 to -4.35)| 0.002   |
|          |                   |                      | 2014-2018    | -0.82 (-4.39 to 2.88)  | 0.60    |
|          | 75+ Years        | 2                    | 2005-2008    | -1.37 (-6.51 to 4.06)  | 0.55    |
|          |                   |                      | 2008-2012    | -10.81 (-15.56 to -5.79)| 0.002   |
|          |                   |                      | 2012-2018    | -2.51 (-4.32 to -0.66) | 0.02    |
| Non-Hispanic | Under 65 Years   | 2                    | 2005-2007    | 8.73 (-4.99 to 24.43)  | 0.18    |
|          |                   |                      | 2007-2014    | -5.72 (-8.07 to -3.32) | 0.001   |
|          |                   |                      | 2014-2018    | 0.50 (-5.02 to 6.35)   | 0.84    |
|          | 65 – 74 Years    | 2                    | 2005-2007    | 5.64 (-9.81 to 23.75)  | 0.43    |
|          |                   |                      | 2007-2014    | -6.64 (-9.10 to -4.13) | 0.001   |
|          |                   |                      | 2014-2018    | 2.68 (-2.15 to 7.75)   | 0.23    |
|          | 75+ Years        | 2                    | 2005-2007    | 0.53 (-10.93 to 13.47) | 0.92    |
|          |                   |                      | 2007-2013    | -8.92 (-11.62 to -6.13)| <0.001  |
|          |                   |                      | 2013-2018    | 1.45 (-1.73 to 4.73)   | 0.31    |

¹Annual Percent Change
eTable 4. Annual Percent Change in Age-Adjusted Prostate Cancer Incidence Rates From 2005 to 2018 by Stage at Diagnosis and Ethnicity

| Ethnicity       | Number of Joinpoints | Time Segment     | APC (95% C.I.)       | P value |
|-----------------|----------------------|------------------|----------------------|---------|
| Hispanic        | 2                    | 2005-2008        | 0.56 (-4.33 to 5.70) | 0.79    |
|                 |                      | 2008-2014        | -8.80 (-10.69 to -6.87) | <0.001 |
|                 |                      | 2014-2018        | -3.61 (-6.45 to -0.69) | 0.02    |
| Non-Hispanic    | 2                    | 2005-2007        | 6.11 (-8.06 to 22.45) | 0.35    |
|                 |                      | 2007-2014        | -8.17 (-10.43 to -5.85) | <0.001 |
|                 |                      | 2014-2018        | 1.16 (-3.64 to 6.20)  | 0.58    |

Stage at diagnosis¹: Regional

| Ethnicity       | Number of Joinpoints | Time Segment     | APC (95% C.I.)       | P value |
|-----------------|----------------------|------------------|----------------------|---------|
| Hispanic        | 0                    | 2005-2018        | -1.07 (-1.76 to -0.37) | 0.006   |
| Non-Hispanic    | 2                    | 2005-2007        | 5.49 (-7.97 to 20.92) | 0.38    |
|                 |                      | 2007-2013        | -3.32 (-6.35 to -0.18) | 0.04    |
|                 |                      | 2013-2018        | 2.92 (-0.35 to 6.29)  | 0.07    |

Stage at diagnosis¹: Distant

| Ethnicity       | Number of Joinpoints | Time Segment     | APC (95% C.I.)       | P value |
|-----------------|----------------------|------------------|----------------------|---------|
| Hispanic        | 2                    | 2005-2011        | -1.46 (-3.18 to 0.30) | 0.09    |
|                 |                      | 2011-2016        | 4.60 (1.36 to 7.94)  | 0.01    |
|                 |                      | 2016-2018        | -0.09 (-7.29 to 7.66) | 0.98    |
| Non-Hispanic    | 2                    | 2005-2010        | -1.03 (-2.11 to 0.06) | 0.06    |
|                 |                      | 2010-2016        | 6.08 (5.08 to 7.09)  | <0.001  |
|                 |                      | 2016-2018        | 1.76 (-1.67 to 5.32) | 0.26    |

¹SEER Summary Stage at diagnosis; ²Annual Percent Change