

# Advancing Primary Care Delivery: An Update

## Citations

<sup>1</sup> UnitedHealth Group, Center for Health Reform & Modernization, "Advancing Primary Care Delivery: Practical, Proven, and Scalable Approaches," September 2014.

<sup>2</sup> U.S. Department of Health & Human Services (HHS), "20 million people have gained health insurance coverage because of the Affordable Care Act, new estimates show," March 3, 2016. <http://www.hhs.gov/about/news/2016/03/03/20-million-people-have-gained-health-insurance-coverage-because-affordable-care-act-new-estimates>

<sup>3</sup> All changes reported are statistically significant at  $p < 0.05$ . UnitedHealth Group Center for Health Reform & Modernization analysis of Minnesota Population Center and State Health Access Data Assistance Center, Integrated Health Interview Series: Version 6.21, Minneapolis: University of Minnesota, 2016.

<sup>4</sup> HRSA defines Health Professional Shortage Areas to encompass areas or populations with a shortage of primary care physicians, generally based on a physician to population ratio of 1:3,500, but various other considerations may be taken into account when designating shortage areas or populations. HHS, Health Resources & Services Administration (HRSA), "Designated Health Professional Shortage Area Statistics," August 12, 2016. <https://datawarehouse.hrsa.gov/tools/hdwreports/reports.aspx>

<sup>5</sup> U.S. Census Bureau, 2014 National Population Projections, Table 1. Projections of the Population and Components of Change for the United States: 2015 to 2060, December 2014. <http://www.census.gov/population/projections/data/national/2014/summarytables.html>

<sup>6</sup> U.S. Census Bureau, 2014 National Population Projections, Table 3. Projections of the Population by Sex and Selected Age Groups for the United States: 2015 to 2060, December 2014. <http://www.census.gov/population/projections/data/national/2014/summarytables.html>

<sup>7</sup> Soeren Mattke, Tewodaj Mengistu, Lisa Klautzer, Elizabeth M. Sloss, and Robert H. Brook, "Improving Care for Chronic Conditions: Current Practices and Future Trends in Health Plan Programs," RAND Corporation, 2015. [http://www.rand.org/pubs/research\\_reports/RR393.html](http://www.rand.org/pubs/research_reports/RR393.html)

<sup>8</sup> Association of American Medical Colleges (AAMC), "The Complexities of Physician Supply and Demand: Projections from 2014 to 2025, Final Report," April 5, 2016. [https://www.aamc.org/download/458082/data/2016\\_complexities\\_of\\_supply\\_and\\_demand\\_projections.pdf](https://www.aamc.org/download/458082/data/2016_complexities_of_supply_and_demand_projections.pdf)

<sup>9</sup> AAMC, April 2016.

<sup>10</sup> AAMC, "2015 State Physician Workforce Data Book: Center for Workforce Studies," November 2015. <http://members.aamc.org/eweb/upload/2015StateDataBook%20%28revised%29.pdf>

<sup>11</sup> Primary Care Physicians are defined to include the following categories: family medicine, internal medicine-primary, internal medicine-pediatrics, and pediatrics-primary. National Resident Matching Program (NRMP), "Results and Data: 2016 Main Residency Match," April 2016. <http://www.nrmp.org/wp-content/uploads/2016/04/Main-Match-Results-and-Data-2016.pdf>

<sup>12</sup> Carol Peckham, "Medscape Physician Compensation Report 2016," April 1, 2016. <http://www.medscape.com/features/slideshow/compensation/2016/public/overview#page=2>

<sup>13</sup> UnitedHealth Group, September 2014.

<sup>14</sup> Scenarios resulting in decreased demand for primary care physicians are projected separately and are not additive. AAMC, April 2016.

<sup>15</sup> Scenarios resulting in decreased demand for primary care physicians are projected separately and are not additive. AAMC, April 2016.

<sup>16</sup> American Association of Nurse Practitioners (AANP), "NP Fact Sheet," October 25, 2016. <https://www.aanp.org/all-about-nps/np-fact-sheet>

<sup>17</sup> UnitedHealth Group, September 2014.

<sup>18</sup> UnitedHealth Group, September 2014. AANP, October 2016. Cristina Boccuti, Christa Fields, Giselle Casillas, and Liz Hamel, "Primary Care Physicians Accepting Medicare: A Snapshot," Kaiser Family Foundation, October 30, 2015. <http://kff.org/medicare/issue-brief/primary-care-physicians-accepting-medicare-a-snapshot/>

<sup>19</sup> AANP, October 2016. AAMC, November 2015.

<sup>20</sup> Amanda Cassidy, "Nurse Practitioners and Primary Care," Health Affairs, Health Policy Briefs, May 15, 2013. [http://www.healthaffairs.org/healthpolicybriefs/brief.php?brief\\_id=92](http://www.healthaffairs.org/healthpolicybriefs/brief.php?brief_id=92)

<sup>21</sup> AANP, October 2016. AAMC, November 2015. AANP, "Nurse Practitioner Facts," 2012. <https://www.aanp.org/images/documents/research/2010-2011np%20facts2012.pdf> AAMC, "2011 State Physician Workforce Data Book: Center for Workforce Studies," November 2011. <https://www.aamc.org/download/263512/data/statedata2011.pdf>

<sup>22</sup> Primary Care Physicians are defined to include the following categories: family medicine, internal medicine-primary, internal medicine-pediatrics, and pediatrics-primary. Primary Care Nurse Practitioners are defined to include the following categories: Family, Adult, Pediatric, and Gerontology Primary Care. NRMP, April 2016.

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<sup>25</sup> Deborah Bachrach, Jonah Frohlich, Allison Garcimonde, and Keith Nevitt, "Building a Culture of Health: The Value Proposition of Retail Clinics," Robert Wood Johnson Foundation, April 2015. [https://www.manatt.com/uploadedFiles/Content/5\\_Insights/White\\_Papers/Retail\\_Clinic\\_RWJF.pdf](https://www.manatt.com/uploadedFiles/Content/5_Insights/White_Papers/Retail_Clinic_RWJF.pdf)

<sup>26</sup> Urgent Care Association of America (UCAOA), "Industry FAQs," 2016. <http://www.ucaoa.org/?page=IndustryFAQs>  
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<sup>27</sup> 86 percent of ER visits were categorized as non-urgent, semi-urgent, or urgent in a 5-level emergency triage categorization. U.S. Centers for Disease Control and Prevention (CDC), "National Hospital Ambulatory Medical Survey: 2011 Emergency Department Summary Tables," Table 7: Triage Status of Emergency Department Visits, by Selected Patient Characteristics: United States, 2011. [https://www.cdc.gov/nchs/data/ahcd/nhamcs\\_emergency/2011\\_ed\\_web\\_tables.pdf](https://www.cdc.gov/nchs/data/ahcd/nhamcs_emergency/2011_ed_web_tables.pdf)

<sup>28</sup> CDC, "National Hospital Ambulatory Medical Survey: 2011 Emergency Department Summary Tables," Table 4: Wait Time at Emergency Department Visits: United States, 2011. [https://www.cdc.gov/nchs/data/ahcd/nhamcs\\_emergency/2011\\_ed\\_web\\_tables.pdf](https://www.cdc.gov/nchs/data/ahcd/nhamcs_emergency/2011_ed_web_tables.pdf)

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<sup>31</sup> Gutierrez et al, October 2016.

<sup>32</sup> Gutierrez et al, October 2016.

<sup>33</sup> Mehortra et al, September 2009.

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