

What Role do Advanced Registered Nurse Practitioners have in Meeting Florida's Health Needs and Contributing to its Economy?

Technical Appendices

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Preface

This technical report details the sources of data and methods of analysis of the impact of Advanced Registered Nurse Practitioners (ARNPs) on Florida's health needs and economy. The work closely follows the blueprint of a similar analysis in North Carolina entitled *Economic Benefits of Less Restrictive Regulation of Advanced Practice Registered Nurses in North Carolina: Technical Appendices*, conducted by Christopher Conover and Robert Richards (Conover & Richards, 2015). We used the same step-by-step data analysis as presented in their technical report. The analysis is also similar to work conducted by The Lewin Group (*The State-Level Economic Impact of Office-Based Physicians*) and The Perryman Group (*The Economic Benefits of More Fully Utilizing Advanced Practice Registered Nurses in the Provision of Health Care in Texas: An Analysis of Local and Statewide Effects on Business Activity*). The project began in January, 2016 on the request of the Practice Action Team of the Florida Action Coalition.

This report was written to inform Florida policymakers, legislators and healthcare thought leaders about the benefits of fully utilizing ARNPs in the state. Utilizing ARNPs more fully relieves pressure on physician supply, is cost-effective in terms of substituting ARNP care for physician care where appropriate, improves access to healthcare, and infuses additional value into the economy. It is a win-win situation.

A summary version of the present report is available as a separate document *What Role do Advanced Registered Nurse Practitioners have in Meeting Florida's Health Needs and Contributing to its Economy?* The summary document reviews background material regarding the benefits of less restrictive practice for ARNPs that have been found in prior studies, briefly reviews the methods used in the study's analyses, presents the major findings of this study, and discusses the implications of findings for the regulation of ARNP practice in Florida.

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Appendix A: Summary of Methods

This section provides details of the data sources and methods used in this study. More extensive details are provided in text and tables in Appendices B, C and D.

Overview

An assessment of the impact of workforce changes, such as more fully utilizing ARNPs, requires three connected sets of analyses. The first set estimates changes in demand for the workforce over the projected time period. Estimating what will happen to aggregate demand is necessary for understanding needed changes in ARNP supply in this time period. The second set of analyses computes the increase in workforce supply that would result from the change in practice restrictions over this same time period. The third looks at the economic impact of greater utilization of ARNP employment on total economic output, value added, labor income (wages and benefits), and jobs in Florida as a whole, in the workforce regions, and in the counties.

In this analysis of more fully utilizing ARNP practice, the expected changes in demand for ARNPs in Florida was estimated between 2013 and 2025. This estimate took into account the anticipated increase in demand related to changes in population demographic factors and the ongoing implementation of the Affordable Care Act (ACA).

Estimates of the increase in ARNP supply were based on what would result from less restrictive ARNP regulations from 2013 -2025. This estimate included the additional hours of care ARNPs could provide in activities currently only provided by physicians [measured as Full-Time Equivalents (FTEs)]. The final supply estimate was to indicate the extent of the physician shortage that could be reduced by increasing ARNP hours of care.

The economic impact of ARNP regulatory reform on total output, jobs, and wages and benefits was conducted using a software application (IMPLAN) that calculated total output multipliers for the professions of physicians, dentists, and other health practitioners by Florida counties. In addition to estimating the economic impact of regulation reform, this section of the analysis also estimated the potential health system savings that might result from greater utilization of ARNPs.

Data Sources

Seven primary data sources were used in this assessment of the economic benefits of more fully utilizing ARNPs:

- **Area Health Resource File** from the U.S. Department of Health and Human Services' Health Resources and Service Administration provided 2013 county-level data on population counts and demographics, and the total number of physicians by specialty (HRSA, 2014).

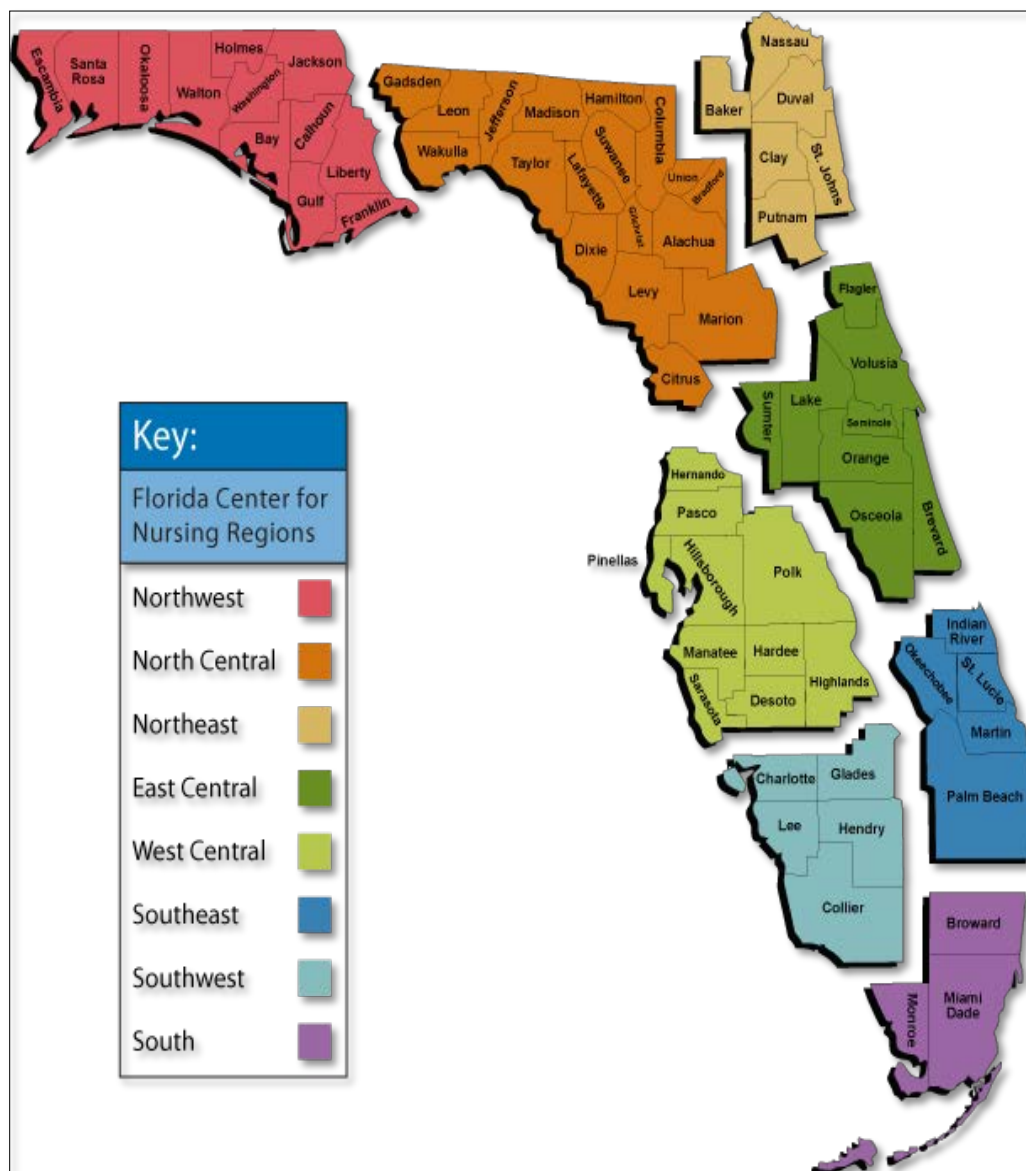
- **Florida Center for Nursing** (<http://www.flcenterfornursing.org/>) provided county and state level data (from the Florida Board of Nursing's licensure database) regarding the number of active ARNPs [nurse practitioners (NPs), certified nurse midwives (CNMs), certified registered nurse anesthetists (CRNAs), and clinical nurse specialists (CNSs)] in 2013. This data provided information on the number of total active ARNPs, the number of ARNPs in different occupational settings (primary care, hospital emergency departments, all other hospital based, and long term care), and the full time equivalent hours worked.
- **Florida Demographic Estimating Conference Bulletin 171- Projections of Florida Population** provided 2014-2040 estimates of total population for each Florida county (Florida Demographic Estimating Conference, 2014).
- **Dartmouth Atlas of Health Care** provided a standardized way of comparing medical prices across counties and at the state level (Dartmouth Atlas of Health Care, 2013a, b).
- **IMPLAN** (Impact analysis for PLANning) provided multipliers to determine the economic output, labor compensation (wages and benefits), and employment for industries by geographic regions (state, workforce region, regional workforce boards and counties (IMPLAN, 2013). IMPLAN uses an input-output social accounting modeling system developed by the Minnesota IMPLAN Group.
- **Salary Wizard** at Salary.com provided detailed data on annual compensation (salary plus bonus, Social Security and all other fringe benefits) for several categories of NPs, CRNAs, CNMs and two categories of CNSs as of May 2016.
- **Small Area Health Insurance Estimates (SAHIE)** provided 2013 estimates of the uninsured by county for four age categories (0-64, 18-64, 40-64 and 50-65) and two income breakdowns: 0-138% poverty and 138-400% poverty (Census Bureau, 2014).

A number of other sources were used in the analysis. These are noted in footnotes at the end of each table, under "Sources."

Regional Classification

The analyses were conducted at 4 levels of aggregation: county, workforce regional board, workforce region, and statewide. The 8 geographic regions and 24 regional workforce boards defined by the Florida Center for Nursing comprise two “regional” levels of analyses. All regions are composed of whole, contiguous counties. The regions are shown in the maps and table below.

FCN Geographic Regions



Regional Workforce Boards

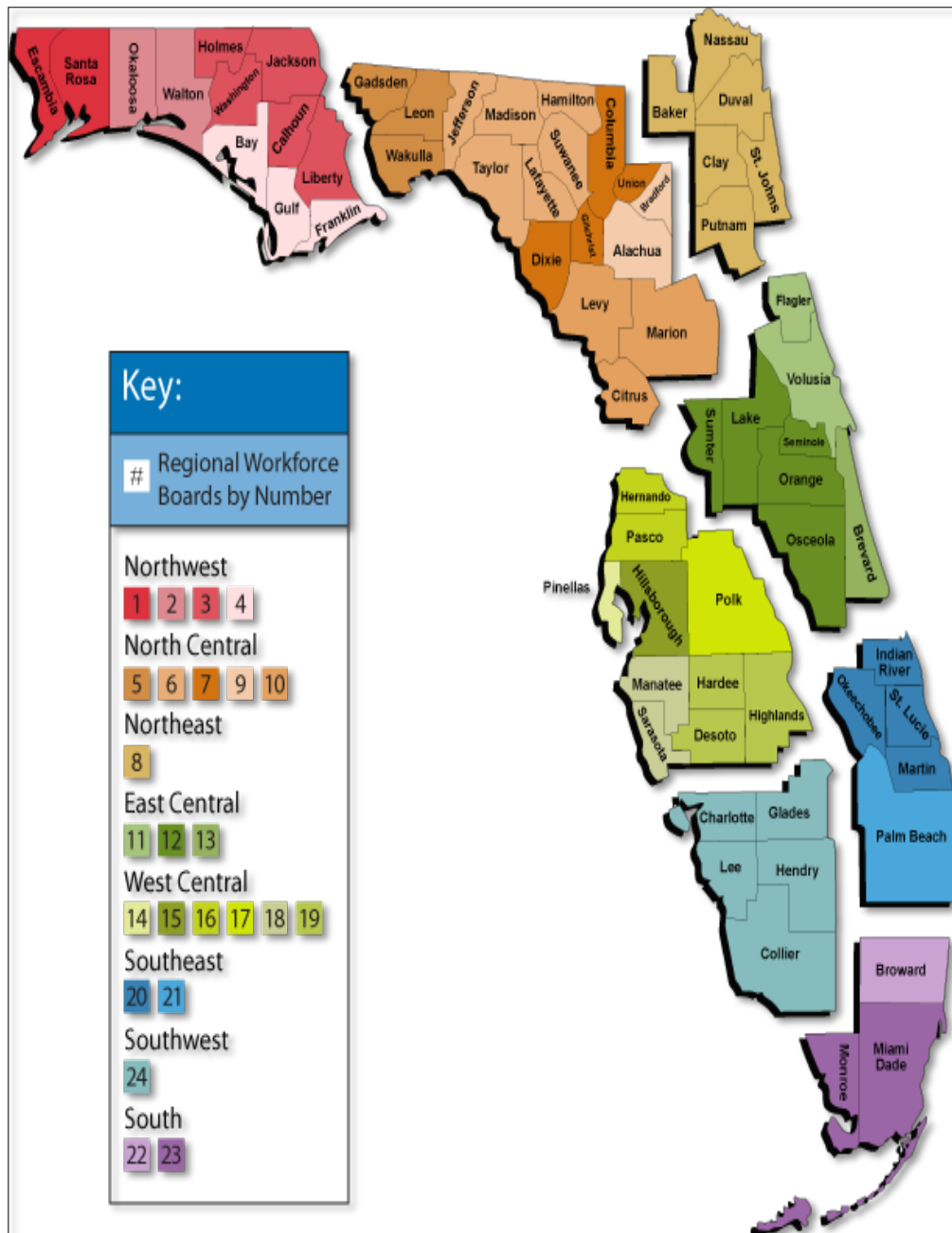


Table A-1. Regional Classification

COUNTY		REGION	REGIONAL BOARDS	HSA
County Name	FIPS Code			
Alachua	12001	North Central	North Central 9	159
Baker	12003	Northeast	Northeast 8	158
Bay	12005	Northwest	Northwest 4	155
Bradford	12007	North Central	North Central 9	159
Brevard	12009	East Central	East Central 13	237
Broward	12011	South	South 22	200
Calhoun	12013	Northwest	Northwest 3	155
Charlotte	12015	Southwest	Southwest 24	213
Citrus	12017	North Central	North Central 10	233
Clay	12019	Northeast	Northeast 8	158
Collier	12021	Southwest	Southwest 24	165
Columbia	12023	North Central	North Central 7	159
DeSoto	12027	West Central	West Central 19	213
Dixie	12029	North Central	North Central 7	159
Duval	12031	Northeast	Northeast 8	158
Escambia	12033	Northwest	Northwest 1	892
Flagler	12035	East Central	East Central 11	142
Franklin	12037	Northwest	Northwest 4	183
Gadsden	12039	North Central	North Central 5	183
Gilchrist	12041	North Central	North Central 7	159
Glades	12043	Southwest	Southwest 24	165
Gulf	12045	Northwest	Northwest 4	155
Hamilton	12047	North Central	North Central 6	159
Hardee	12049	West Central	West Central 19	202
Hendry	12051	Southwest	Southwest 24	165
Hernando	12053	West Central	West Central 16	227
Highlands	12055	West Central	West Central 19	202
Hillsborough	12057	West Central	West Central 15	227
Holmes	12059	Northwest	Northwest 3	155
Indian River	12061	Southeast	Southeast 20	237
Jackson	12063	Northwest	Northwest 3	155
Jefferson	12065	North Central	North Central 6	183
Lafayette	12067	North Central	North Central 6	159
Lake	12069	East Central	East Central 12	142
Lee	12071	Southwest	Southwest 24	165
Leon	12073	North Central	North Central 5	183
Levy	12075	North Central	North Central 10	159
Liberty	12077	Northwest	Northwest 3	183

Madison	12079	North Central	North Central 6	183
Manatee	12081	West Central	West Central 18	266
Marion	12083	North Central	North Central 10	233
Martin	12085	Southeast	Southeast 20	221
Miami-Dade	12086	South	South 23	200
Monroe	12087	South	South 23	200
Nassau	12089	Northeast	Northeast 8	158
Okaloosa	12091	Northwest	Northwest 2	892
Okeechobee	12093	Southeast	Southeast 20	221
Orange	12095	East Central	East Central 12	142
Osceola	12097	East Central	East Central 12	257
Palm Beach	12099	Southeast	Southeast 21	221
Pasco	12101	West Central	West Central 16	227
Pinellas	12103	West Central	West Central 14	227
Polk	12105	West Central	West Central 17	202
Putnam	12107	Northeast	Northeast 8	251
Saint Johns	12109	Northeast	Northeast 8	251
Saint Lucie	12111	Southeast	Southeast 20	221
Santa Rosa	12113	Northwest	Northwest 1	892
Sarasota	12115	West Central	West Central 18	213
Seminole	12117	East Central	East Central 12	142
Sumter	12119	East Central	East Central 12	142
Suwannee	12121	North Central	North Central 6	159
Taylor	12123	North Central	North Central 6	183
Union	12125	North Central	North Central 7	159
Volusia	12127	East Central	East Central 11	142
Wakulla	12129	North Central	North Central 5	183
Walton	12131	Northwest	Northwest 2	892
Washington	12133	Northwest	Northwest 3	155
Notes	[A]	[B]	[C]	[D]

Notes

[A] FIPS Code is defined by the National Cancer Institute's Surveillance, Epidemiology, and End Results Program [S1].

[B] County classification reported at [S2].

[C] County classification reported at [S3].

[D] HSAs are defined by the National Cancer Institute's Surveillance, Epidemiology, and End Results Program [S1].

Sources

[S1] National Cancer Institute, Surveillance, Epidemiology, and End Results Program. *Health Service Areas (HSAs)*. Available at: <http://seer.cancer.gov/seerstat/variables/countyattribs/hsa.html#download> (accessed January, 2016).

[S2] Florida Center for Nursing. *Regional Data- FCN Regional Workforce Reports*. Available at: <https://www.flcenterfornursing.org/RegionalData/FCNRegionalWorkforceReports.aspx> (accessed January, 2016)

[S3] Florida Center for Nursing. *Regional Data- Data by County & Regional Workforce Board*. Available at: <https://www.flcenterfornursing.org/RegionalData/FCNDatabyCountyandRegionalWorkforceBoard.aspx> (accessed January, 2016).

Projected Changes in Demand for ARNPs in Florida

The estimated change in demand for ARNPs in Florida was calculated in two steps. For both we used a 2013 baseline for analysis, since this was the latest year for which most of our data were available. First, we projected the natural increase in baseline demand for ARNPs between 2013 and 2025 due to demographic factors (population growth and changes in age and sex). Next, we estimated the increase in baseline demand that would result from continuation of the Affordable Care Act over the same period.

All demand effects were calculated as percentage changes from the 2013 baseline to the year 2025. The calculation was of the percentage change over the entire period, not year-to-year changes, since the exact change on a year-to-year basis was not the purpose of the study. This change from 2013 to 2025 represents the permanent increase in demand (relative to 2013) that would occur by 2025.

Changes in Health spending Due to Demographic Factors

The percentage change in demand for healthcare was represented by the percent change in health spending. The changes in health spending represent the change in demand for actual health services, and do not take into account any possible changes in medical prices or general inflation in the interim. Changes in health spending from 2013 to 2025 due to population growth, aging, and in total, were estimated. These were calculated for the state as a whole and by county. Changes in spending due to population growth was estimated using the percent change in population from 2013 to 2025 (see Table B-1).

Changes in spending due to age was estimated by taking the 2025/2013 ratio of weighted averages of health spending indices for each specific sex by age group (multiplying the population for each group times the specific health spending index for that group, adding these figures up and dividing by the total population) (see Tables B1a and B-1). Ten age categories for male and female were estimated.

The health spending indices are normalized values of an index of spending by age and gender (Yamamoto, 2013). An index value of 1.0 represents average spending for members of the most common form of health insurance (a PPO). For example, the indices show that males age 75- 84 have an index value of 4.19, meaning their total annual health spending (including both out-of-pocket and third party payments) is 4.19 times as large as the group average (see Table B-1a). If the population ages over time this index value will rise, so the ratio of the 2025 index to the 2013 will indicate the increase in spending due to aging.

Statewide, our estimates showed that, independent of other factors not accounted for, there would be a 12.97% increase in health spending from 2013 to 2025 due to population growth and an 8.75% increase due to aging, for a total increase of 21.7%. Therefore, given no change in current practice patterns there will be a 21.7% increase in the demand for ARNPs and other health providers. This estimate is conservative in that it does not take into account factors that could additionally increase the demand for healthcare, such as new technology or higher incomes.

Changes in Health Spending Due to the Affordable Care Act

Changes in health spending due to the Affordable Care Act (ACA) was the other major demand estimate. The ACA was a focus because it has been, and may continue to be for years to come, the largest source of additional health spending. The additional money that will be spent through the ACA could result in greater economic activity such as more jobs, higher wages and economic output, and additional tax revenues. On the other hand, the money that was spent on healthcare through the ACA could have been used on other goods and services, so there is not necessarily a net economic benefit. Whether there is or not depends upon the differential effect the spending on healthcare has on the economy compared to its other possible uses. This is not part of the current analysis but is a matter for further analysis.

There were two parts to calculating the increase in health spending due to the ACA. The first estimated the net increase in federal spending related to ACA subsidies (Tables B-2 and B-2a). The second figured the increase in federal Medicaid spending due to ACA Medicaid expansions (Tables B-2b and B-3). Because it is uncertain if or when Florida will adopt the Medicaid expansion, and because the Medicaid expansion affects expenditures on subsidies (expanding Medicaid reduces the number of people eligible for the subsidies), both sets of calculations included a lower-bound estimate that assumed no Medicaid expansion and an upper-bound estimate that assumed Medicaid expansion.

For this analysis we utilized the Urban Institute's 2011 state-level estimates of the increase in federal spending that would be expected in each scenario (Buettgens, Holahan, & Carroll, 2011). Since we used a 2013 baseline, we inflated the Urban Institute dollar figures by 5.05% to match our baseline year (CMS, 2014a). We also utilized Census Bureau estimates of the distribution of the state's uninsured population by county and poverty levels (Census Bureau, 2014).

Estimation of Federal Exchange Subsidies. This part of the analysis used Census Bureau estimates of the distribution of the state's uninsured population by county and 4 poverty categories [<138% of federal poverty level (FPL), <200% FPL, <250% FPL, and <400% FPL] and the Urban Institute's estimate of the aggregate amount of subsidies. The Census Bureau population estimates are presented in Table B-2a and in the set of first columns in Table B-2. We used this information to partition the aggregate amount of subsidies reported by Urban Institute into four groups: 100-138% FPL, 138-200% FPL, 200-300% FPL and 300-400% FPL. Without Medicaid expansion, the first group (100-138% FPL) would be permitted to obtain subsidized coverage on the Exchange. Therefore, the difference in the cost estimates for a no-expansion scenario compared to a Medicaid expansion scenario is that the no-expansion scenario includes \$1.849 billion in additional subsidies going to this first group. Otherwise, subsidies for all income groups above 138% FPL are the same in both scenarios (Table B-2).

Estimation of Increased Federal Medicaid Spending. Similarly, we estimated the distribution of the federal share of new Medicaid spending based on the distribution of the uninsured by the two levels of poverty involved in the Medicaid expansions: below 100% FPL and 100-138% FPL. The Census Bureau reports the total number of uninsured below 138% FPL, but provides no breakdown by these two categories. Since Florida Medicaid already covers all infants less than one year of age through both these levels of poverty, and all children 1-19 up to 133% of poverty (Florida Department of Families and Children, 2016), the majority of the Medicaid

expansion will be among uninsured adults . Consequently, we estimated the distribution of all uninsured persons based on Urban Institute (2014) figures for uninsured adults below 100% of FPL and 100-138% FPL. We did this for each of the two scenarios (Medicaid expansion, no Medicaid expansion). These estimates are presented in Tables B-2b and B-3.

Estimation of Total Percentage Increases in Health Expenditures Due to the Affordable Care Act. This part of the analysis combined the estimates of the changes in health expenditures due to the ACA subsidies and those due to the Medicaid expansion under the two scenarios. First, we calculated the estimates of total health spending in 2013, then we used the estimates of the dollar increases in spending due to ACA subsidies and Medicaid expansion (under the two scenarios) from Tables B1, 2 and 3 to calculate the percentage increase in health expenditures due to the ACA.

Calculations for total health spending in 2013 are in the first four columns of Table B-4. The latest official estimate of per capita health spending in Florida is for the year 2009 (CMS, 2010b). This figure was inflated by 11% to reflect the percentage increase in U.S. personal health spending per capita between 2009 (the reported year) and 2013 (our baseline year). To obtain county-level estimates of per capita health spending in 2013, we made two adjustments. First, to account for county-level demographic differences, the ratio of that county's total health spending index in 2013 to the statewide health spending index for the same year was multiplied times the county spending. Second, to account for differences in medical care prices across counties, we multiplied the prior results by a county-level Medicare price adjuster (see Table B-4, footnote S5). We multiplied these per capita spending figures times the total county population in 2013 to derive total health spending for that year.

We then used the previously derived estimates of the aggregate increase in federal spending under the ACA to convert these into percentage increases in total demand. These calculations show that without Medicaid expansion, the new federal dollars going into Florida from the ACA will increase health spending by 3.1%, whereas with Medicaid expansion the ACA will increase spending by 4.7%.

Comparison of Demand Increase due to Demographic Changes and the ACA. In the third to last column in Table B-4 we brought forward from Table B-1 the percent increase in demand due to demographic changes. We used this to compare the estimated percentage increases in demand due to the ACA under the two Medicaid expansion scenarios (in the prior adjacent columns in B-4) to the percentage of changes due to demographics. The comparison is a ratio of demand increases due to ACA to demand increases due to demographics. This ratio shows that the ACA is expected to increase the baseline growth in health spending due to demographics by an additional 14.2% if Medicaid is not expanded, and by an additional 21.8% if Medicaid is expanded (last two columns Table B-4).

Projected ARNP Supply Under Less Restrictive Regulation of ARNPs

Projecting ARNP supply in Florida under less restrictive regulation had four steps. First, the size of the ARNP market in 2013 dollar terms was recorded (Tables C1 -C6b). Then, the increase in

ARNP supply that would result from less restrictive regulation of ARNPs was projected (Table C7). We compared this estimated increase in supply to our estimates of projected changes in demand in Table B-4 (see Table C-7). Finally, to assess the extent to which an expanded supply of ARNPs might alleviate physician shortages for selected specialties we compared projected changes in full-time equivalent (FTE) ARNPs to projections of physician supply shortages in the year 2025 (Table C-8).

Current Size of the ARNP Market in Florida

The first step in the analysis of expanded supply of ARNPs under less restrictive regulations was to estimate the 2013 (baseline) size of the ARNP market. The number of ARNPs and ARNP FTEs was noted. This was transformed into dollar amounts by multiplying ARNP FTEs times their compensation and their practice expense. The total county-level ARNP compensation formed the lower bound of the estimate for the ARNP market, while the compensation plus practice expense formed the upper bound.

Total Number of ARNPs. Data for the number of ARNPs per Florida county in 2013 was provided by the Florida Center for Nursing. These survey data included information on four types of ARNPs [nurse practitioners (NPs), certified nurse midwives (CNMs), certified registered nurse anesthetists (CRNAs), and clinical nurse specialists (CNS's)], their practice location (by county), their practice setting, and hours worked. We converted individual-level data on hours worked by each type of ARNP into full-time equivalents (FTEs) per county. In all cases, we assumed that 40 hours per week represented one FTE. Table C-1 presents this information.

ARNP Compensation. City-level information regarding the average compensation for each category of ARNPs was obtained from Salary.com. Compensation amounts included salary, bonus, fringe benefits, and employer payroll tax contributions on behalf of workers for Social Security and Medicare. We aggregated the city information to the county level.

Salary.com reports separate figures for four different NP settings: primary care, hospital emergency department, all other hospital-based care and long-term care (Table C-2). Separate figures also are reported for two CNS settings: home care and all other (Table C-3). In these cases, total ARNP compensation was calculated using the number of nurses reported in each sub-category times the average compensation for that sub-category (Tables C-4a & b). These calculations revealed that in terms of their own direct compensation, ARNPs represent a \$2.5 billion industry in Florida (see Tables C-4a & b). This figure was used as the basis for lower-bound estimates of the economic impact of increasing ARNP supply.

ARNP Practice Expenses. ARNP compensation is a conservative way to measure ARNP market size. A more inclusive measure would also include their practice expenses. ARNP practice supports the wages and benefits of other clinical and non-clinical personnel. This support is reflected in ARNP practice expense, which includes clinical and clerical personnel wages and benefits, office expenses, medical equipment, medical supplies, and drugs. ARNP practice expenses apply to both ARNPs who have their own private practice as well as those employed by organizations such as hospitals or community health centers since these organizations must employ other personnel (e.g., lab technicians, billing clerks) to support

ARNP services. ARNP practice expenses (PEs) were estimated for each category of ARNP based on the assumption that ARNPs have similar PEs to certain physicians: NPs similar to MDs in Family Medicine; CNMs similar to OB/GYNs; CRNAs similar to anesthesiologists; and CNSs similar to MDs in Internal Medicine (see Table C-5).

The data in this analysis are at the national level, and since we could not locate data later than the 2012 data used by Conover and Richards (2015), we used their same data in our analysis (as well as their methodology). These estimates started with baseline figures for MD mean patient care hours per year obtained from the American Medical Association's Physician Practice Information Survey. For each physician specialty, these survey results were then converted into practice expense per hour (PE/HR) estimates reported by the AMA (2009) for fourteen different cost categories pertaining to: 1) non-physician payroll; 2) office expenses; 3) medical equipment; 4) medical materials and supplies; 5) drugs and 6) other professional expenses.

Baseline figures for comparator MD hours and practice expenses were adjusted for practice location since these vary by geographic location (Gillis, 2009). The first adjustment was for hours worked by location. Weekly hours were adjusted to be higher in non-metro and small metro areas compared to large metro areas, using a formula from Gillis (2009) detailed in Table C-5.

Next, expenses were adjusted for practice location. This method was applied to all of the parts of practice expenses. Additionally, because the PE/hour figures were from the 2006 PPIS, the figures were inflated by 20.8% to account for price changes in the Medicare Price Index between 2006 and 2012 (MEI/TAP).

We then calculated the ratio of total PE to MD compensation for each of the four specialties using 43.88 for the 2013 cost weight for wages and salaries and 48.266 for the cost weight for physician compensation (MEI-TAP, 2012). The formula was: (Non-physician Compensation) x (Inflation Adjustment, 2006-2013)/ [(Hourly Mean Wage/ (43.88/48.266)]. Hourly mean wage figures were from the Bureau of Labor Statistics (BLS, 2014). A parallel ratio that excluded clinical payroll was also calculated. All details for these calculations are in Table C-5.

These ratios were applied to counties based on urbanization status and population size and multiplied by total ARNP compensation to derive estimated practice expenses by type of ARNP within each county (Tables C-6a & b). For all ARNPs this amounted to \$3.3 billion in 2013. When practice expenses were included along with total ARNP compensation, the total size of the ARNP industry in Florida was close to \$6 billion in 2013.

Potential Changes in ARNP Supply Due to Less Restrictive Regulations of ARNPs

The next set of analyses calculated the potential increase in APRN supply in Florida through 2025 that would result from less restrictive ARNP practice regulations. As a template for this estimate we used information from the states that already have less stringent regulations. These states do not necessarily have unrestricted practice of ARNP practice, so what is being modeled is the change from restrictive regulations to that of less restrictions, not necessarily the complete elimination of all regulations related to ARNPs.

Information for the percentage increase in ARNPs given change in restriction of practice came from a study by Reagan and Salsberry (2013). This study of NP practice compared states with the strictest NP practice regulations (requirements for a collaborative practice agreement to diagnose, treat and prescribe) to states without any restrictions. Other state characteristics, such as primary care and specialty physician supply, were controlled for. The study found that the number of NPs per 100,000 population by the year 2008 was 10.6/ 100,000 population higher than in states with no such restrictions. Assuming that a similar increase would occur with less restrictive practice in Florida, given a baseline number of Florida NPs of 98/100,000 population, this would translate to an expansion of NPs by 10.82% percent. Due to lack of studies on the effect of less restrictive practice on CNM, CRNA and CNS supply, we assumed the same 10.82% increase from baseline would apply to these other ARNP specialties. The increase in overall ARNP supply due to less restrictive practice is shown in the first two columns in Table C-7. This shows that less restrictive ARNP regulation would expand the ARNP compensation by \$273 million, and ARNP compensation plus practice expenses to nearly \$628 million.

Finally, ARNP compensation was multiplied times the estimated increase in demand due to: 1) population and aging; and 2) the ACA, with and without Medicaid expansion, using figures from Table B-4. Ratios of demand to supply increases were also calculated and transformed into percentages. These percentages were nearly all greater than 100%, indicating that the increase in ACA demand will more than completely absorb the increase in ARNP supply due to expanded practice.

Projected Impact of Expanded ARNP Use on Physician Shortages

The next part of the analysis was to project the impact of expanded ARNP supply on the physician shortage in Florida. The demand for Florida physicians is expected to outstrip supply by the year 2025, with the exact size of the shortage depending on specialty. We used estimates of these shortages to compute lower- and upper-bound estimates of potential shortages for a) all non-OB-GYN primary care physicians; b) OB-GYNs; c) anesthesiologists; and d) all of these physicians. NPs and CNMs would take up a portion of the care normally performed by primary care MDs, CNMs a portion of the care of OB-GYNs, and CRNAs of anesthesiologists. We used substitution ratios to account for the fact that ARNPs are not trained to do everything physicians do (OTA, 1981). Also, there are differences between physicians and ARNPs in terms of typical hours worked.

Together, the estimates of the proportion of patient care that can be performed by ARNPs and their proportion of hours of work formed a substitution ratio for each type of ARNP-physician substitution. For example, a substitution ratio of 75% implies that 1 FTE ARNP will substitute for 75% of the physician's work, and increasing ARNP supply by 100% would reduce the physician shortage by 75%. We used the substitution ratios of Conover & Richards (2015), which they developed through a review of the literature.

For NPs: Based on a HRSA (2013) report and other literature, Conover & Richards (2015) assumed a substitution ratio of 75% using primary care MDs as the comparator. The ratio reflects differences in both the demographic make-up of each profession and practice styles. That is, a

higher fraction of NPs are female, who in turn, tend to work fewer hours than their counterparts who are male. NPs typically spend more time per visit with patients, such as doing more patient education. HRSA also noted that NPs “often deliver a different set of services than a physician, and that weighting them at 1.0 would overstate the assessment of primary care capacity” (HRSA 2013).

For CNSs: Conover & Richards (2015) assumed a substitution ratio of 50% using primary care MDs as the comparator. This ratio is conservative because there is no accepted equivalency standard or physician comparator for them since they perform a variety of roles, such as direct clinical practice, consultant, educator, researcher, and clinical and professional leader (O’Grady, 2008). However, there is evidence that CNSs reduce the need for inpatient care, and this may help alleviate physician shortages. The substitution ratio of 50%, is what HRSA formerly applied to NPs when determining the number of FTE primary care providers for purposes of designating Health Professional Shortage Areas (Conover & Richards, 2015; NCIOM, 2007).

For CNMs: Conover & Richards (2015) assumed a substitution ratio of 80.2% using OB-GYNs as the comparator. These authors report that current Medicare payment rules imply that CNMs have the equivalent productivity as physicians who deliver the identical services, but they are assumed to work less hours than OB-GYNs (40 instead of 50 hours).

For CRNAs: Conover & Richards (2015) assumed a substitution ratio of 75.5% using anesthesiologists as the comparator. They report that the productivity of CRNAs and anesthesiologists are equivalent, but a RAND Corporation study showed that CRNAs spend 37 hours weekly on procedures compared to 49 hours for anesthesiologists (roughly 75% substitution) (Daugherty et al., 2010).

These substitution ratios were used to translate the projected increase in FTE ARNPs under less restrictive ARNP regulation into the number of MD equivalents. In Table C-8 we present the supply of physicians in 2013 in the comparator categories, the projected physician shortage in 2025 in those categories as a percent of supply and the number needed to eliminate the shortage. Then, we show the number of NP, CNS, CNM, and CRNA FTEs in 2013 and the increase that would occur under less restrictive practice. Finally, we estimate the increase in the number of ARNP physician equivalents under less restrictive practice, the increase as a percentage of 2013 physician supply, and the increase as a percentage of the physician shortage.

Annual Economic Impact of Less Restrictive Regulation of ARNPs

Next, we applied the estimates of the increase in the size of the ARNP industry due to expanded practice to a projection of its economic impact on the economy as a whole. We followed Conover & Richard’s method of using Regional Input-Output multipliers from IMPLAN to predict the total impact of increased ARNP activity (Conover & Richards, 2015; IMPLAN, 2013). Since IMPLAN does not have multipliers specifically for the ARNP industry, we used those for industries 475, 476, & 477 (Offices of Physicians, dentists, & other health practitioners). It is assumed that the multipliers for ARNP practices and businesses that employ

ARNPs would be similar to this broader category of “Offices of Physicians, dentists, & other health practitioners.”

Multipliers for the state of Florida, the workforce regions, workforce sub-regions, and counties were obtained from IMPLAN. The multipliers are different for each level of analysis. The multipliers for each level of analysis were the total economic output, value added, payroll, and employment.

The first three multipliers represent the total (direct, indirect, and induced) dollar for dollar effects (effects of one more dollar of output from the ARNP industry on that aspect of the economy). The employment multipliers represent the total change in employment as a result of a \$1 million change in economic output.

A statewide analysis and the eight major workforce regions are reported in Table D-1. The 23 sub-workforce region levels of analysis, are reported in Table D-2. The county-level analysis is in Table D-3.

Projected Impact of Expanded ARNP Use on Health Expenditures

It is well established in the literature that using ARNPs to their full potential can reduce health expenditures (see main report). As Conover and Richards (2015) report, net health system savings from expanded use of ARNPs range from 0.63% for the State of Massachusetts (RAND Corporation's assessment by Eibner, et al., 2009) to 6.2% for the State of Texas (Perryman Group's assessment, 2012). We estimate health expenditure savings in Florida using this broad range.

Multiplying this range by the total health expenditures in Florida in 2013 of \$153.6 billion (Table B-4) indicates that the cost reductions could be from \$968 million to \$9.5 billion. This translates into \$50 to \$493 per Florida resident.

Appendix B: Projected Changes in Demand for ARNPs

Appendix B tables provide the state and county-level data used in calculating the increase in demand for ARNPs in Florida between 2013 and 2025. Tables B-1 and B-1a contain age and population growth projections, by gender, and the estimated increases in demand from these demographic trends.

Tables B-2, B-3, and B-4 provide state and county-level estimates of demand increases in Florida due to ongoing implementation of the Affordable Care Act (ACA). Table B-2 calculates the increase in demand due to subsidies given to low-income households on the insurance exchanges. The table uses estimates of subsidy income ranges from Tables B-2a, and b. Table B-3 provides the demand increases due to Medicaid. There are two sets of estimates: one based on Florida continuing without a Medicaid expansion and the second based on Florida implementing the expansion of Medicaid permitted by the ACA. Table B-4 summarizes the total ACA-related increases in ARNP demand under the different Medicaid expansion scenarios.

Table B-1. Estimated Change in Health Expenditures Due to Population Growth & Aging from 2013 to 2025, by County

COUNTY	2013					2025					PERCENT INCREASE IN HEALTH SPENDING FROM 2013-2025		
	Total Male Population	Total Female Population	Age-Adjusted Male Health Spending Index	Age-Adjusted Female Health Spending Index	Age-Adjusted Total Health Spending Index	Total Male Population	Total Female Population	Age-Adjusted Male Health Spending Index	Age-Adjusted Female Health Spending Index	Age-Adjusted Total Health Spending Index	Total	Due to Population Growth	Due to Aging
Florida	9,444,571	9,874,288	1.318	1.592	1.46	10,700,541	11,124,107	1.454	1.712	1.59	21.73%	12.97%	8.75%
Alachua	119,965	128,024	1.075	1.353	1.22	126,566	133,206	1.262	1.505	1.39	18.56%	4.75%	13.81%
Baker	14,386	12,960	1.093	1.397	1.24	16,151	14,673	1.223	1.525	1.37	23.22%	12.72%	10.50%
Bay	84,365	86,189	1.241	1.514	1.38	91,574	91,678	1.393	1.634	1.51	17.19%	7.45%	9.75%
Bradford	14,949	11,768	1.171	1.588	1.35	15,683	13,232	1.365	1.729	1.53	21.29%	8.23%	13.06%
Brevard	268,554	280,452	1.457	1.704	1.58	281,294	299,001	1.678	1.859	1.77	17.60%	5.70%	11.90%
Broward	866,706	919,117	1.238	1.536	1.39	908,292	959,080	1.390	1.653	1.53	14.17%	4.57%	9.61%
Calhoun	7,973	6,699	1.220	1.563	1.38	8,271	6,976	1.369	1.705	1.52	14.55%	3.92%	10.63%
Charlotte	80,333	85,399	1.909	2.056	1.98	86,100	91,909	2.069	2.239	2.16	16.07%	7.41%	8.66%
Citrus	68,434	73,462	1.846	1.982	1.92	74,909	80,524	1.979	2.147	2.07	17.36%	9.54%	7.82%
Clay	95,653	99,883	1.162	1.419	1.29	116,203	119,444	1.315	1.559	1.44	31.78%	20.51%	11.26%
Collier	165,838	171,191	1.608	1.805	1.71	195,377	204,864	1.731	1.958	1.85	26.89%	18.76%	8.14%
Columbia	35,228	33,135	1.252	1.553	1.40	38,514	35,735	1.415	1.710	1.56	20.03%	8.61%	11.42%
DeSoto	19,159	15,216	1.259	1.591	1.41	19,648	14,755	1.317	1.660	1.46	4.20%	0.08%	4.12%
Dixie	8,891	7,632	1.407	1.660	1.52	9,858	8,374	1.577	1.838	1.70	21.69%	10.34%	11.35%
Duval	425,828	451,426	1.115	1.427	1.28	456,665	478,177	1.271	1.548	1.41	17.30%	6.56%	10.74%
Escambia	148,187	151,582	1.209	1.513	1.36	149,602	151,416	1.367	1.632	1.50	10.55%	0.42%	10.13%
Flagler	48,096	52,209	1.568	1.747	1.66	66,000	71,573	1.652	1.870	1.77	43.41%	37.15%	6.26%
Franklin	6,745	4,920	1.271	1.661	1.44	6,830	5,056	1.420	1.814	1.59	12.47%	1.89%	10.58%
Gadsden	22,105	24,789	1.220	1.475	1.35	23,584	26,080	1.396	1.616	1.51	17.45%	5.91%	11.54%
Gilchrist	8,898	8,164	1.284	1.621	1.45	9,521	8,968	1.547	1.822	1.68	24.62%	8.36%	16.25%
Glades	7,120	5,583	1.419	1.690	1.54	7,386	5,986	1.456	1.850	1.63	11.44%	5.27%	6.17%
Gulf	9,511	6,460	1.246	1.702	1.43	10,024	7,050	1.392	1.851	1.58	17.50%	6.91%	10.59%
Hamilton	8,736	6,197	1.133	1.572	1.31	8,755	6,556	1.334	1.768	1.52	18.12%	2.53%	15.59%
Hardee	15,099	12,749	1.097	1.393	1.23	15,057	12,531	1.197	1.490	1.33	6.97%	-0.93%	7.90%
Hendry	19,995	17,824	1.113	1.349	1.22	20,303	18,217	1.247	1.456	1.35	11.81%	1.85%	9.96%
Hernando	83,644	91,865	1.605	1.792	1.70	99,543	108,329	1.720	1.922	1.83	25.63%	18.44%	7.19%
Highlands	48,502	51,197	1.777	1.958	1.87	52,499	55,613	1.917	2.112	2.02	16.32%	8.44%	7.88%
Hillsborough	625,638	653,064	1.127	1.417	1.28	744,593	770,174	1.225	1.492	1.36	25.14%	18.46%	6.68%
Holmes	10,654	9,401	1.282	1.614	1.44	10,904	9,635	1.437	1.750	1.58	12.55%	2.41%	10.13%
Indian River	68,132	73,140	1.653	1.873	1.77	78,454	84,041	1.799	2.016	1.91	23.19%	15.02%	8.17%

Jackson	27,645	22,098	1.219	1.623	1.40	28,204	22,351	1.361	1.778	1.55	12.14%	1.63%	10.51%
Jefferson	7,524	6,915	1.334	1.662	1.49	7,979	7,300	1.539	1.850	1.69	18.98%	5.82%	13.16%
Lafayette	5,182	3,510	1.073	1.493	1.24	5,616	3,921	1.192	1.586	1.35	18.72%	9.72%	7.99%
Lake	147,688	157,593	1.526	1.740	1.64	186,968	197,232	1.647	1.861	1.76	33.19%	25.85	B-.33%
Lee	321,302	334,228	1.518	1.724	1.62	406,982	422,119	1.619	1.834	1.73	33.00%	26.48	2.52%
Leon	133,227	146,822	1.029	1.306	1.17	143,814	145,763	1.179	1.473	1.33	16.41%	3.40	.01%
Levy	19,899	20,588	1.451	1.625	1.54	21,885	22,841	1.590	1.779	1.69	20.00%	10.47	.53%
Liberty	5,357	3,457	1.061	1.440	1.21	5,680	3,863	1.157	1.542	1.31	16.79%	8.27%	8.52%
Madison	10,159	9,019	1.252	1.590	1.41	10,284	9,244	1.404	1.715	1.55	11.76%	1.83%	9.93%
Manatee	162,247	173,551	1.523	1.743	1.64	193,266	204,580	1.664	1.880	1.78	26.91%	18.48%	8.43%
Marion	161,688	176,287	1.600	1.793	1.70	190,387	206,767	1.742	1.955	1.85	26.48%	17.51%	8.97%
Martin	73,452	75,187	1.669	1.905	1.79	80,241	81,644	1.847	2.062	1.96	18.27%	8.91%	9.36%
Miami-Dade	1,254,028	1,328,993	1.185	1.509	1.35	1,401,968	1,494,145	1.302	1.612	1.46	20.26%	12.12%	8.14%
Monroe	38,591	34,243	1.472	1.633	1.55	39,464	35,118	1.713	1.914	1.81	19.24%	2.40%	16.84%
Nassau	36,828	37,909	1.356	1.574	1.47	44,752	45,950	1.585	1.776	1.68	36.03%	21.36%	14.67%
Okaloosa	95,838	94,959	1.207	1.500	1.35	100,738	97,488	1.367	1.617	1.49	14.00%	3.89%	10.11%
Okeechobee	21,313	18,641	1.269	1.531	1.39	22,103	19,419	1.376	1.639	1.50	11.65%	3.92%	7.73%
Orange	591,314	609,179	1.042	1.348	1.20	714,460	730,994	1.133	1.422	1.28	27.26%	20.41%	6.86%
Osceola	142,745	147,929	1.099	1.381	1.24	195,188	203,157	1.208	1.484	1.35	45.59%	37.04%	8.55%
Palm Beach	653,747	696,331	1.450	1.726	1.59	726,002	769,839	1.572	1.841	1.71	18.18%	10.80%	7.39%
Pasco	231,426	244,985	1.429	1.670	1.55	281,110	291,684	1.528	1.763	1.65	26.36%	20.23%	6.13%
Pinellas	442,288	478,165	1.491	1.766	1.63	442,802	474,841	1.698	1.925	1.82	10.83%	-0.31%	11.13%
Polk	301,414	313,799	1.329	1.572	1.45	361,125	372,131	1.457	1.687	1.57	27.52%	19.19%	8.33%
Putnam	36,017	36,758	1.402	1.620	1.51	36,172	36,496	1.551	1.748	1.65	8.94%	-0.15%	9.09%
Saint Johns	98,172	103,895	1.319	1.549	1.44	138,550	137,818	1.458	1.623	1.54	43.93%	36.77%	7.16%
Saint Lucie	139,257	146,245	1.405	1.634	1.52	172,597	179,158	1.502	1.727	1.62	29.42%	23.21%	6.22%
Santa Rosa	79,781	77,353	1.177	1.452	1.31	94,850	90,595	1.322	1.582	1.45	28.45%	18.02%	10.44%
Sarasota	184,967	202,657	1.797	1.997	1.90	204,205	221,645	1.947	2.157	2.06	18.00%	9.86%	8.14%
Seminole	209,621	222,956	1.161	1.460	1.32	230,749	240,567	1.303	1.587	1.45	19.07%	8.96%	10.11%
Sumter	53,938	50,659	2.098	2.302	2.20	80,123	83,767	2.373	2.616	2.50	70.36%	56.69%	13.67%
Suwannee	22,753	21,457	1.311	1.638	1.47	25,896	23,344	1.437	1.765	1.59	19.76%	11.38%	8.38%
Taylor	12,903	10,272	1.247	1.608	1.41	13,130	10,603	1.421	1.781	1.58	14.84%	2.41%	12.43%
Union	10,107	5,517	1.165	1.389	1.24	10,739	6,039	1.255	1.533	1.36	16.28%	7.39%	8.89%
Volusia	244,284	256,059	1.464	1.724	1.60	262,106	273,055	1.631	1.858	1.75	16.33%	6.96%	9.38%
Wakulla	17,011	14,037	1.136	1.427	1.27	19,332	16,330	1.254	1.551	1.39	24.50%	14.86%	9.64%
Walton	29,997	28,637	1.296	1.569	1.43	38,501	37,234	1.434	1.672	1.55	37.68%	29.17%	8.52%
Washington	13,537	11,701	1.229	1.560	1.38	14,413	12,212	1.334	1.669	1.49	13.06%	5.50%	7.57%
Notes	[A]		[B]		[C]	[D]		[B]		[C]	[E]	[F]	[G]
Notes													

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- [A] All figures are Bulletin 171- Projections of Florida Population reported in [S1].
- [B] All figures are weighted averages calculated by authors using health spending index values derived from a U.S. age curve for 2010 reported in [S3] and 10 age categories per county. Details are reported in [S2]. An index value of 1.0 represents the weighted averages for the population using Group PPO data, as detailed in [S3].
- [C] All figures are weighted averages calculated by authors using the male and female health spending indices in prior columns
- [D] All figures are Bulletin 171- Projections of Florida Population reported in [S1].
- [E] All figures are calculated as the sum of percent increase in health spending from 2013 -2025 for population growth and aging (columns F & G).
- [F] All figures are calculated by authors: $[(\text{Total Male Population, 2025}) + (\text{Total Female Population, 2025})]/[(\text{Total Male Population, 2013}) + (\text{Total Female Population, 2013})] - 1$.
- [G] All figures are calculated by authors: $(\text{Total Health Spending Index, 2025})/(\text{Total Health Spending Index, 2013}) - 1$.
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Sources

- [S1] Florida Demographic Estimating Conference- University of Florida, Bureau of Economic and Business Research, and Florida Population Studies. *Bulletin 171- Projections of Florida Population*. Available at http://edr.state.fl.us/Content/population-demographics/data/MediumProjections_2014.pdf.
- [S2] Unruh, L. & Rutherford, A. Table B-1a. Estimated Increase in Health Expenditures Due to Aging, 2013-2025. University of Central Florida, Florida Center for Nursing.
- [S3] Yamamoto, Dale H. *Health Care Costs- From Birth to Death*. Society of Actuaries, June 2013. Available at http://www.healthconstitute.org/files/Age-Curve Study_0.pdf.
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Table B-1a. Estimated Increase in Health Expenditures Due to Aging, 2013 to 2025

COUNTY	MALES 2013									2013 HEALTH SPENDING INDEX
	Under 20	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Health Spending Index 2013	0.5	0.394	0.461	0.727	1.176	1.967	3.018	4.19	5.187	5.187
Alachua	29,261	19,199	19,137	12,954	12,922	13,207	8,226	3,676	1,383	1,383
Baker	3,823	1,055	2,180	2,056	2,162	1,631	969	429	81	81
Bay	20,995	5,772	11,868	10,591	12,476	10,693	7,109	3,622	1,239	1,239
Bradford	2,966	1,147	2,676	2,251	2,307	1,758	1,151	541	152	152
Brevard	59,918	16,644	29,795	28,510	40,717	40,328	28,674	17,820	6,148	6,148
Broward	222,072	58,519	111,920	113,860	132,223	109,508	67,387	35,404	15,813	15,813
Calhoun	1,701	531	1,271	1,215	1,199	962	656	357	81	81
Charlotte	13,044	3,504	6,414	6,986	10,298	13,011	14,415	9,483	3,178	3,178
Citrus	12,089	3,200	5,421	5,968	8,931	10,990	11,791	7,632	2,412	2,412
Clay	27,800	6,625	11,354	12,320	14,335	11,640	7,435	3,272	872	872
Collier	36,711	9,227	17,680	17,673	20,665	21,114	22,401	15,430	4,937	4,937
Columbia	8,656	2,987	4,566	4,315	4,873	4,641	3,167	1,560	463	463
DeSoto	4,679	1,554	2,942	2,447	2,346	2,128	1,730	1,042	291	291
Dixie	1,709	553	1,093	1,171	1,390	1,311	1,044	496	124	124
Duval	116,491	32,106	65,189	55,983	59,546	50,419	28,632	13,017	4,445	4,445
Escambia	38,732	12,842	21,490	16,529	19,723	18,546	12,019	6,262	2,044	2,044
Flagler	11,042	2,577	4,548	5,237	5,976	6,915	6,961	3,780	1,060	1,060
Franklin	1,084	490	1,352	977	940	834	678	311	79	79
Gadsden	5,921	1,472	2,795	2,716	3,140	3,145	1,836	855	225	225
Gilchrist	2,254	1,082	857	886	1,184	1,196	906	411	122	122
Glades	1,422	445	1,039	958	928	862	846	518	102	102
Gulf	1,404	690	1,768	1,553	1,576	1,186	815	411	108	108

Hamilton	1,752	1,162	1,368	1,139	1,225	1,069	673	279	69	69
Hardee	4,437	1,398	2,277	1,929	1,832	1,467	1,048	547	164	164
Hendry	6,042	1,566	2,995	2,547	2,492	1,979	1,379	763	232	232
Hernando	18,621	4,442	7,998	8,783	11,188	11,704	11,194	7,218	2,496	2,496
Highlands	10,084	2,457	4,518	4,348	5,533	6,718	7,532	5,456	1,856	1,856
Hillsborough	174,800	47,247	89,657	84,994	87,652	69,959	43,113	21,139	7,077	7,077
Holmes	2,429	866	1,449	1,349	1,531	1,338	1,020	541	131	131
Indian River	14,615	3,833	6,663	6,696	8,741	10,020	8,800	6,151	2,613	2,613
Jackson	5,594	2,133	4,066	4,528	4,137	3,530	2,202	1,115	340	340
Jefferson	1,495	417	1,018	1,063	1,173	1,138	807	316	97	97
Lafayette	1,055	571	931	876	703	505	334	162	45	45
Lake	34,838	8,042	14,702	16,453	19,857	20,124	18,428	11,563	3,681	3,681
Lee	71,925	18,503	36,085	35,772	41,103	44,458	41,997	23,946	7,513	7,513
Leon	35,576	21,000	20,238	14,460	14,683	14,185	8,469	3,464	1,152	1,152
Levy	4,788	1,167	2,028	2,106	2,741	3,018	2,461	1,288	302	302
Liberty	1,102	395	1,022	915	877	559	310	146	31	31
Madison	2,385	710	1,462	1,312	1,467	1,325	939	445	114	114
Manatee	37,996	9,033	17,020	17,579	21,270	22,659	20,144	12,255	4,291	4,291
Marion	36,248	9,031	16,309	16,345	20,482	22,157	22,730	14,102	4,284	4,284
Martin	14,295	3,848	7,349	7,397	10,499	11,087	9,602	6,609	2,766	2,766
Miami-Dade	319,942	90,212	177,870	181,060	185,625	137,903	90,691	53,060	17,665	17,665
Monroe	6,257	2,020	4,824	4,912	6,267	6,817	4,834	2,097	563	563
Nassau	8,874	2,146	4,036	4,359	5,448	5,636	4,099	1,800	430	430
Okaloosa	24,200	7,305	14,484	11,231	13,957	11,775	7,591	4,078	1,217	1,217
Okeechobee	5,541	1,442	2,941	2,747	2,858	2,409	1,879	1,172	324	324
Orange	165,340	51,486	97,366	81,312	80,712	60,398	33,541	15,814	5,345	5,345
Osceola	42,213	10,876	19,098	19,548	20,133	15,513	9,631	4,532	1,201	1,201
Palm Beach	153,419	40,866	78,906	77,174	89,557	82,866	64,375	45,240	21,344	21,344
Pasco	56,196	13,044	24,492	28,936	32,903	30,229	25,253	14,965	5,408	5,408
Pinellas	91,022	25,195	49,296	51,393	67,537	67,710	49,515	28,796	11,824	11,824
Polk	80,676	19,593	36,120	35,754	39,025	37,622	30,390	17,195	5,039	5,039

Putnam	9,134	2,206	3,913	3,837	4,891	5,262	3,965	2,183	626	626
Saint Johns	25,487	6,145	10,154	11,955	14,770	13,897	9,681	4,503	1,580	1,580
Saint Lucie	35,014	8,226	15,541	16,485	19,156	18,224	14,587	9,066	2,958	2,958
Santa Rosa	20,432	5,837	11,128	10,427	12,133	9,888	6,305	2,952	679	679
Sarasota	33,543	9,016	16,707	17,738	23,873	28,429	28,517	19,489	7,655	7,655
Seminole	55,157	16,074	29,666	27,158	31,077	25,544	15,344	6,951	2,650	2,650
Sumter	5,263	1,855	4,929	5,612	5,434	7,442	14,583	7,369	1,451	1,451
Suwannee	5,384	1,654	3,248	2,781	2,975	2,852	2,291	1,202	366	366
Taylor	2,523	930	2,088	1,866	1,939	1,700	1,182	548	127	127
Union	1,724	772	1,735	1,465	1,679	1,741	719	232	40	40
Volusia	53,733	15,744	27,889	27,127	34,401	35,871	27,533	16,139	5,847	5,847
Wakulla	3,924	1,120	2,605	2,646	2,780	2,087	1,232	491	126	126
Walton	6,895	1,801	3,998	4,004	4,398	4,220	2,981	1,331	369	369
Washington	3,098	1,008	1,936	1,909	2,013	1,646	1,204	577	146	146
Florida	2,318,842	656,615	1,211,480	1,171,183	1,324,584	1,192,705	883,953	505,616	179,593	179,593
Notes	[A]								[B]	

COUNTY	MALES 2025									2025 HEALTH SPEND- ING INDEX
	Under 20	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Alachua	29,173	17,870	17,575	14,857	12,783	12,353	12,267	7,421	2,267	2,267
Baker	3,904	1,181	2,499	2,223	2,143	1,864	1,378	754	205	205
Bay	21,633	5,401	11,617	12,921	10,549	11,931	9,713	5,797	2,012	2,012
Bradford	3,222	1,076	2,403	2,230	2,031	1,783	1,625	970	343	343
Brevard	58,414	15,451	23,716	33,871	30,161	42,595	43,125	24,380	9,581	9,581
Broward	216,080	57,457	124,402	114,630	102,703	117,980	98,655	55,748	20,637	20,637
Calhoun	1,646	530	1,281	1,160	1,124	1,009	849	501	171	171
Charlotte	12,387	3,287	7,245	7,691	8,682	14,192	15,381	12,279	4,956	4,956
Citrus	11,694	3,037	6,758	7,035	7,619	12,176	13,057	9,559	3,974	3,974

Clay	29,590	8,144	15,986	14,442	13,376	14,638	11,409	6,693	1,925	1,925
Collier	40,472	10,994	21,211	20,308	19,594	26,454	26,507	20,766	9,071	9,071
Columbia	8,480	3,069	4,935	4,838	4,516	4,818	4,511	2,508	839	839
DeSoto	4,436	1,513	2,622	3,024	2,477	2,171	1,867	1,137	401	401
Dixie	1,690	598	1,194	1,214	1,289	1,481	1,395	778	219	219
Duval	120,448	30,389	62,052	64,831	51,884	52,394	43,900	23,657	7,110	7,110
Escambia	37,883	10,190	20,440	19,285	14,973	17,730	16,513	9,481	3,107	3,107
Flagler	13,801	3,834	7,786	6,687	7,313	8,722	9,051	6,594	2,212	2,212
Franklin	1,067	503	1,271	954	842	802	746	481	164	164
Gadsden	6,007	1,495	2,800	2,746	2,761	3,016	2,965	1,405	389	389
Gilchrist	2,076	898	986	983	938	1,345	1,275	725	295	295
Glades	1,379	401	1,088	1,108	853	939	890	713	15	15
Gulf	1,317	656	1,879	1,590	1,413	1,311	1,042	604	212	212
Hamilton	1,615	1,068	1,318	1,051	1,034	1,033	1,000	484	152	152
Hardee	4,156	1,249	2,294	1,981	1,635	1,554	1,227	718	243	243
Hendry	6,008	1,476	2,681	2,517	2,224	2,216	1,748	1,013	420	420
Hernando	19,544	5,120	10,830	10,229	10,992	14,843	14,003	9,950	4,032	4,032
Highlands	9,965	2,423	4,578	4,842	5,015	7,542	8,932	6,358	2,844	2,844
Hillsborough	202,419	52,130	110,078	99,770	85,508	83,481	64,090	35,957	11,160	11,160
Holmes	2,278	849	1,488	1,294	1,274	1,489	1,230	775	227	227
Indian River	14,904	4,114	8,012	7,868	7,756	11,231	12,772	8,317	3,480	3,480
Jackson	5,348	2,261	4,119	4,366	3,691	3,210	2,839	1,778	592	592
Jefferson	1,451	431	982	1,076	1,074	1,085	1,092	634	154	154
Lafayette	1,125	612	913	862	759	565	439	255	86	86
Lake	39,217	10,456	20,738	18,956	19,676	28,411	27,021	16,457	6,036	6,036
Lee	85,320	22,697	46,180	46,371	43,566	57,000	56,880	36,819	12,149	12,149
Leon	36,273	20,195	20,733	17,513	14,037	13,370	12,359	7,390	1,944	1,944
Levy	4,684	1,227	2,474	2,340	2,473	3,211	3,071	1,849	556	556
Liberty	1,043	442	1,122	931	863	562	431	224	62	62
Madison	2,379	666	1,375	1,332	1,237	1,227	1,150	718	200	200
Manatee	41,786	10,828	20,850	20,086	20,249	26,557	27,604	18,400	6,906	6,906

Marion	38,889	10,079	19,537	19,912	18,950	26,771	28,418	20,382	7,449	7,449
Martin	13,521	3,882	8,339	8,535	7,932	12,130	13,271	8,895	3,736	3,736
Miami-Dade	337,656	88,970	197,032	197,321	178,202	177,983	122,538	73,259	29,007	29,007
Monroe	6,066	1,611	4,178	5,394	4,908	6,240	6,215	3,876	976	976
Nassau	9,478	2,489	4,896	4,993	5,111	6,638	6,413	3,677	1,057	1,057
Okaloosa	24,197	6,418	13,238	14,566	10,740	12,646	10,729	6,118	2,086	2,086
Okeechobee	5,460	1,540	2,950	2,787	2,551	2,595	2,242	1,441	537	537
Orange	195,306	53,502	114,612	106,979	79,972	75,350	53,319	26,729	8,691	8,691
Osceola	52,909	13,961	28,520	24,821	23,921	23,647	16,507	8,409	2,493	2,493
Palm Beach	160,940	42,493	87,924	87,824	76,045	92,504	90,854	59,651	27,767	27,767
Pasco	62,379	17,482	33,792	30,973	32,313	39,478	35,026	21,815	7,852	7,852
Pinellas	84,216	22,038	48,278	49,610	48,977	66,211	66,170	42,117	15,185	15,185
Polk	89,905	23,082	43,662	40,905	39,461	46,053	42,926	26,513	8,618	8,618
Putnam	8,438	1,971	3,960	3,988	4,065	5,051	4,891	2,871	937	937
Saint Johns	31,200	9,402	18,494	15,711	15,409	18,658	16,641	9,883	3,152	3,152
Saint Lucie	40,311	10,461	20,159	19,896	19,676	23,503	20,886	13,051	4,654	4,654
Santa Rosa	21,796	6,904	13,646	12,842	10,837	12,307	9,807	5,212	1,499	1,499
Sarasota	32,996	9,462	20,504	19,807	19,867	29,555	34,574	26,663	10,777	10,777
Seminole	56,569	15,333	33,695	32,615	25,870	27,464	22,095	12,774	4,334	4,334
Sumter	8,199	2,549	6,688	6,877	7,358	11,040	13,002	19,371	5,039	5,039
Suwannee	5,558	1,905	3,916	3,098	2,903	3,057	2,864	1,917	678	678
Taylor	2,428	917	2,055	1,830	1,626	1,582	1,497	933	262	262
Union	1,749	797	1,810	1,571	1,661	1,742	912	402	95	95
Volusia	53,432	14,244	28,686	30,688	28,880	37,604	37,477	22,793	8,302	8,302
Wakulla	4,025	1,500	3,155	2,761	2,648	2,275	1,773	960	235	235
Walton	8,522	2,224	4,618	4,938	5,075	5,368	4,616	2,395	745	745
Washington	2,891	1,145	2,242	1,945	1,831	1,828	1,472	805	254	254
Florida	2,465,350	682,579	1,373,097	1,335,200	1,199,876	1,379,571	1,223,144	763,959	277,765	277,765
Notes	[A]								[B]	

COUNTY	FEMALES 2013	
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	Under 20	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	2013 HEALTH SPEND- ING INDEX
Health Spending Index 2013	0.587	0.625	1.041	1.215	1.468	1.997	2.821	3.824	4.692	4.692
Alachua	30,829	20,433	18,107	12,750	14,198	14,842	9,197	5,120	2,548	2,548
Baker	3,685	779	1,662	1,638	1,801	1,655	1,024	528	188	188
Bay	20,457	5,541	11,238	10,412	12,549	11,515	7,783	4,702	1,992	1,992
Bradford	2,830	649	1,383	1,303	1,621	1,681	1,241	708	352	352
Brevard	56,935	14,949	28,587	29,985	43,323	42,847	32,569	21,604	9,653	9,653
Broward	211,907	56,516	117,036	122,495	138,474	117,196	76,541	48,875	30,077	30,077
Calhoun	1,689	386	746	767	905	922	713	384	187	187
Charlotte	12,355	3,206	5,821	6,768	10,998	15,730	15,962	10,210	4,349	4,349
Citrus	11,698	2,943	5,246	6,297	9,783	13,053	13,083	7,897	3,462	3,462
Clay	26,594	6,284	11,723	13,709	15,189	12,600	8,214	3,978	1,592	1,592
Collier	34,814	8,223	16,014	17,395	21,436	24,868	26,012	16,228	6,201	6,201
Columbia	8,060	1,921	3,889	3,664	4,681	4,825	3,461	1,858	776	776
DeSoto	4,050	910	1,649	1,593	1,790	1,925	1,818	1,076	405	405
Dixie	1,636	380	758	759	1,120	1,300	1,035	486	158	158
Duval	113,308	31,675	66,133	58,166	63,217	56,308	34,389	18,699	9,531	9,531
Escambia	37,308	11,346	20,041	16,223	20,143	20,241	14,043	8,396	3,841	3,841
Flagler	10,528	2,505	4,814	5,691	6,873	8,522	7,656	4,060	1,560	1,560
Franklin	1,033	239	525	526	703	821	644	311	118	118
Gadsden	5,879	1,589	3,361	3,317	3,490	3,358	2,168	1,142	485	485
Gilchrist	1,907	451	811	936	1,155	1,236	919	481	268	268
Glades	1,285	297	561	545	685	815	815	469	111	111
Gulf	1,329	315	588	727	954	1,070	817	481	179	179
Hamilton	1,529	351	619	682	848	987	701	337	143	143
Hardee	4,045	829	1,589	1,499	1,550	1,331	1,055	589	262	262

Hendry	5,693	1,317	2,164	2,191	2,233	1,859	1,341	721	305	305
Hernando	18,421	4,417	8,454	9,831	12,311	13,733	12,766	8,335	3,597	3,597
Highlands	9,595	2,205	4,196	4,383	5,800	7,727	8,773	5,896	2,622	2,622
Hillsborough	166,505	47,567	94,462	87,544	90,451	75,655	49,299	28,281	13,300	13,300
Holmes	2,179	527	978	1,071	1,325	1,367	1,097	628	229	229
Indian River	14,018	3,324	6,298	6,962	9,563	11,584	10,439	7,320	3,632	3,632
Jackson	5,130	1,319	2,380	2,502	2,993	3,163	2,436	1,476	699	699
Jefferson	1,399	360	675	783	1,036	1,240	814	405	203	203
Lafayette	982	205	385	425	454	448	346	188	77	77
Lake	33,421	7,784	15,251	17,551	20,478	23,027	21,545	13,028	5,508	5,508
Lee	68,920	17,928	35,249	35,466	42,745	51,060	46,101	26,052	10,707	10,707
Leon	37,449	23,110	20,449	15,760	16,683	16,304	9,630	4,913	2,524	2,524
Levy	4,397	1,121	2,149	2,286	3,075	3,353	2,494	1,292	421	421
Liberty	904	208	442	453	509	437	286	163	55	55
Madison	2,179	552	1,014	971	1,206	1,326	950	537	284	284
Manatee	36,809	8,775	17,097	18,192	22,762	26,135	23,058	14,221	6,502	6,502
Marion	34,598	8,769	17,226	17,812	22,650	26,792	26,598	15,709	6,133	6,133
Martin	13,740	3,386	5,902	6,854	10,619	12,132	10,935	7,640	3,979	3,979
Miami-Dade	305,438	88,013	181,484	184,432	192,079	156,518	111,265	75,499	34,265	34,265
Monroe	5,955	1,729	4,124	4,246	5,592	6,113	3,929	1,847	708	708
Nassau	8,465	2,041	3,986	4,605	5,762	6,023	4,296	2,006	725	725
Okaloosa	23,148	6,244	12,550	10,929	13,933	12,509	8,388	5,256	2,002	2,002
Okeechobee	4,990	1,177	2,096	2,118	2,368	2,337	1,970	1,166	419	419
Orange	159,052	50,691	96,875	82,908	82,363	66,297	39,131	21,622	10,240	10,240
Osceola	40,159	10,203	18,952	21,038	21,431	17,282	11,068	5,490	2,306	2,306
Palm Beach	147,616	38,530	75,650	79,654	94,130	91,920	78,867	58,415	31,549	31,549
Pasco	53,585	12,660	25,598	30,215	33,853	34,094	28,926	17,602	8,452	8,452
Pinellas	87,593	24,886	50,962	52,936	70,939	74,660	56,571	37,614	22,004	22,004
Polk	77,344	18,828	36,953	36,555	39,749	41,723	34,689	20,031	7,927	7,927
Putnam	8,716	2,009	3,860	3,840	5,102	5,580	4,222	2,449	980	980
Saint Johns	24,656	5,939	10,809	12,949	16,109	15,082	10,388	5,385	2,578	2,578

Saint Lucie	33,569	7,934	15,913	17,496	19,830	20,085	16,649	10,384	4,385	4,385
Santa Rosa	19,635	4,724	9,194	10,033	12,075	10,303	6,777	3,436	1,176	1,176
Sarasota	32,138	8,543	16,171	18,372	25,876	33,519	33,667	22,831	11,540	11,540
Seminole	53,395	15,484	29,681	29,324	33,781	28,889	17,635	9,571	5,196	5,196
Sumter	4,937	1,197	2,365	2,785	4,206	9,954	16,677	6,934	1,604	1,604
Suwannee	5,173	1,117	2,228	2,307	2,879	3,094	2,503	1,497	659	659
Taylor	2,405	576	1,069	1,117	1,421	1,563	1,218	693	210	210
Union	1,560	351	718	688	772	701	436	212	79	79
Volusia	51,747	14,340	26,677	27,156	35,921	39,497	30,934	19,918	9,869	9,869
Wakulla	3,554	874	1,695	1,935	2,120	1,941	1,182	562	174	174
Walton	6,446	1,496	3,350	3,452	4,248	4,382	3,089	1,566	608	608
Washington	2,826	671	1,229	1,410	1,698	1,660	1,292	642	273	273
Florida	2,226,131	625,848	1,191,861	1,191,384	1,372,616	1,322,716	1,016,537	628,052	299,143	299,143
COUNTY	FEMALES 2025									2025 HEALTH SPEND- ING INDEX
	Under 20	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Alachua	30,550	19,426	15,916	15,139	12,343	13,123	14,117	8,926	3,666	3,666
Baker	3,697	957	1,672	1,960	1,825	1,827	1,555	876	304	304
Bay	20,665	5,512	11,158	12,223	10,240	11,670	10,563	6,540	3,107	3,107
Bradford	3,020	749	1,289	1,565	1,501	1,694	1,727	1,130	557	557
Brevard	55,489	14,902	31,324	31,720	31,328	45,380	45,696	28,933	14,229	14,229
Broward	207,911	56,749	120,728	120,789	112,924	127,022	108,904	68,693	35,360	35,360
Calhoun	1,595	374	744	782	811	936	908	570	256	256
Charlotte	11,790	3,212	6,775	7,051	8,345	14,848	18,719	14,742	6,427	6,427
Citrus	11,292	2,900	6,395	6,627	7,918	13,300	15,494	11,527	5,071	5,071
Clay	28,316	7,719	15,382	14,553	14,940	15,498	12,435	7,684	2,917	2,917
Collier	38,942	10,528	19,832	18,659	19,615	27,866	31,540	26,281	11,601	11,601
Columbia	7,882	1,906	3,697	4,333	4,012	4,907	4,905	2,924	1,169	1,169
DeSoto	3,833	867	1,622	1,515	1,539	1,795	1,825	1,238	521	521

Dixie	1,587	378	712	873	942	1,441	1,388	801	252	252
Duval	116,100	30,005	63,000	65,600	54,175	56,669	50,028	29,600	13,000	13,000
Escambia	36,750	9,947	19,100	17,904	14,632	18,127	18,106	11,660	5,190	5,190
Flagler	13,266	3,829	7,399	7,069	7,918	9,917	11,338	7,971	2,866	2,866
Franklin	1,015	238	454	554	602	744	784	484	181	181
Gadsden	5,828	1,594	3,242	3,221	3,176	3,290	3,284	1,766	679	679
Gilchrist	1,811	465	910	888	1,015	1,321	1,318	807	433	433
Glades	1,276	317	604	589	547	820	880	703	250	250
Gulf	1,300	331	686	682	854	1,139	1,103	673	282	282
Hamilton	1,453	341	626	613	726	973	1,029	592	203	203
Hardee	3,691	905	1,466	1,371	1,347	1,449	1,210	758	334	334
Hendry	5,547	1,323	2,353	1,879	1,922	2,037	1,644	1,049	463	463
Hernando	18,792	5,359	10,615	10,696	12,382	16,332	16,422	12,117	5,614	5,614
Highlands	9,502	2,386	4,261	4,433	5,091	7,916	10,162	8,101	3,761	3,761
Hillsborough	193,823	50,754	107,863	107,098	89,719	87,569	70,907	44,043	18,398	18,398
Holmes	2,081	521	984	993	1,116	1,402	1,340	874	324	324
Indian River	14,451	3,972	7,703	7,354	8,025	12,275	14,753	10,577	4,931	4,931
Jackson	4,906	1,235	2,333	2,290	2,484	2,953	3,051	2,092	1,007	1,007
Jefferson	1,375	328	636	738	874	1,131	1,306	661	251	251
Lafayette	1,000	278	428	412	484	498	433	271	117	117
Lake	37,548	10,219	19,903	19,525	21,219	29,080	30,710	20,705	8,323	8,323
Lee	81,599	21,645	44,918	45,642	43,455	59,112	65,712	44,098	15,938	15,938
Leon	37,870	15,090	20,693	17,060	12,958	15,028	14,671	8,955	3,438	3,438
Levy	4,440	1,147	2,324	2,456	2,659	3,627	3,471	2,058	659	659
Liberty	944	263	442	485	498	504	414	215	98	98
Madison	2,168	489	948	1,027	980	1,260	1,277	749	346	346
Manatee	40,330	10,442	20,331	20,226	20,809	28,520	31,709	22,464	9,749	9,749
Marion	37,326	9,653	18,807	20,820	20,578	29,377	34,598	25,497	10,111	10,111
Martin	13,019	3,777	7,785	6,947	7,323	12,439	14,467	10,535	5,352	5,352
Miami-Dade	323,460	86,264	193,078	206,939	190,563	191,603	149,882	101,400	50,956	50,956
Monroe	5,647	1,582	3,492	4,394	4,053	5,199	5,421	3,096	2,234	2,234

Nassau	8,958	2,412	4,817	4,812	5,420	7,129	6,836	4,143	1,423	1,423
Okaloosa	23,088	6,301	11,969	12,255	10,096	12,441	11,206	6,952	3,180	3,180
Okeechobee	4,770	1,288	2,228	2,279	2,041	2,289	2,287	1,591	646	646
Orange	186,638	52,630	113,275	107,376	83,584	78,478	60,463	33,912	14,638	14,638
Osceola	50,833	13,328	27,431	25,095	26,653	26,110	19,212	10,651	3,844	3,844
Palm Beach	155,239	41,801	85,839	83,927	79,422	99,273	102,084	78,295	43,959	43,959
Pasco	59,445	16,851	31,290	32,102	34,194	40,462	39,171	26,855	11,314	11,314
Pinellas	81,343	21,597	47,520	51,921	51,157	70,200	74,742	50,708	25,653	25,653
Polk	86,343	22,283	41,888	41,725	40,910	46,774	47,594	32,310	12,304	12,304
Putnam	8,096	1,909	3,628	3,930	4,028	5,208	5,221	3,166	1,310	1,310
Saint Johns	30,185	8,984	17,774	16,562	16,790	20,400	11,369	11,181	4,573	4,573
Saint Lucie	38,633	9,903	19,683	20,214	21,046	24,291	23,122	15,641	6,625	6,625
Santa Rosa	20,616	5,806	11,431	11,136	10,796	12,663	10,243	5,723	2,181	2,181
Sarasota	31,465	9,228	19,492	19,262	20,391	31,912	40,670	33,649	15,576	15,576
Seminole	54,609	15,359	32,817	30,601	28,182	30,337	25,593	15,676	7,393	7,393
Sumter	7,760	1,865	3,862	4,335	5,941	10,709	19,194	24,564	5,537	5,537
Suwannee	5,236	1,333	2,388	2,429	2,504	3,097	3,184	2,150	1,023	1,023
Taylor	2,319	537	1,023	1,094	1,160	1,515	1,559	1,014	382	382
Union	1,550	373	732	749	737	736	673	345	144	144
Volusia	51,999	14,213	27,163	28,809	29,248	39,509	42,051	27,286	12,777	12,777
Wakulla	3,819	1,091	1,971	2,041	2,108	2,130	1,864	989	317	317
Walton	7,965	2,155	3,784	4,517	4,695	5,463	4,955	2,675	1,025	1,025
Washington	2,768	673	1,340	1,324	1,493	1,799	1,539	904	372	372
Florida	2,368,564	652,798	1,317,975	1,326,189	1,243,063	1,456,543	1,386,038	945,816	427,121	427,121
Notes	[C]								[B]	

Notes

[A] All state and county population numbers represent April 1, 2014 Florida population estimates reported in [S1].

[B] All age-specific health spending indices are based on a 2010 age curve for the U.S. developed in [S2]. See Parameters for derivation of index values for 10-year age cohorts using these data. An index value of 1.0 represents the weighted average for the population using Group PPO data. The final column of Health spending indices are weighted averages of the age-based indices given the population for that age.

[C] All state and county population numbers represent April 1, 2014 Florida population estimates reported in [S1].

Parameters

	Age Group	2010 Male Population	Health Spending Index	2010 Female Population	Health Spending Index
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Under 20	42,575	0.500	40,661	0.587
20-24	11,056	0.394	10,612	0.625
25-34	20,739	0.461	20,508	1.041
25-29	10,676	0.410	10,477	0.922
30-34	10,063	0.515	10,030	1.165
35-44	20,396	0.727	20,585	1.215
35-39	9,997	0.646	10,086	1.200
40-44	10,399	0.805	10,500	1.229
45-54	22,149	1.176	22,864	1.468
45-49	11,183	1.016	11,465	1.349
50-54	10,966	1.339	11,399	1.587
55-59	9,580	1.740	10,199	1.835
60-64	8,159	2.233	8,829	2.184
65-74	10,161	3.018	11,681	2.821
65-69	5,892	2.786	6,623	2.618
70-74	4,269	3.338	5,057	3.087
75-84	5,486	4.190	7,578	3.824
75-79	3,184	3.943	4,130	3.585
80-84	2,302	4.532	3,448	4.110
85 & Over	1,807	5.187	3,726	4.692
Average				
Index	231,039	1.204	240,458	1.537

Note: All 5-year age group figures are reported in Table 7 in [S2]. All 10-year summaries were calculated by Conover & Richards (2015) as weighted averages.

Sources

[S1] The Florida Legislature- Office of Economic and Demographic Research. *2010 Census Counts & Projections of Florida Population by County & Age, Race, Sex, & Hispanic Origin, 2015-2040*. Available at http://edr.state.fl.us/Content/population-demographics/data/Medium_Projections_ARSH.pdf.

[S2] Yamamoto, Dale H. *Health Care Costs- From Birth to Death*. Society of Actuaries, June 2013. Available at http://www.healthcostinstitute.org/files/Age-Curve-Study_0.pdf.

Table B-2. Estimated Increase in Federal Health Expenditures Due to Federal Exchange Subsidies, by County

COUNTY	2013 DISTRIBUTION OF UNINSURED					2013 DISTRIBUTION OF ACA EXCHANGE SUBSIDIES (FEDERAL FUNDS IN THOUSANDS)				NET INCREASE IN FEDERALLY-FUNDED HEALTH SPENDING	
	Total	<138% Poverty	<200% Poverty	<250% Poverty	<400% Poverty	100-138% Poverty	138-200% Poverty	200-300% Poverty	300-400% Poverty	Without Medicaid Expansion	With Medicaid Expansion
Florida	1,817,107	1,503,429	2,189,458	2,623,419	3,320,535	\$1,849,311	\$1,618,321	\$703,369	\$113,964	\$4,284,965	\$2,435,654
Alachua	16,081	20,247	26,780	30,655	36,328	\$62,095	\$15,411	\$6,698	\$1,085	\$85,289	\$23,195
Baker	1,796	1,448	2,033	2,498	3,244	\$3,319	\$1,380	\$600	\$97	\$5,396	\$2,077
Bay	13,974	10,442	15,312	18,609	24,416	\$20,092	\$11,488	\$4,993	\$809	\$37,383	\$17,290
Bradford	1,697	1,545	2,208	2,597	3,242	\$3,393	\$1,564	\$680	\$110	\$5,747	\$2,354
Brevard	41,609	32,473	48,028	57,919	74,081	\$65,510	\$36,694	\$15,948	\$2,584	\$120,736	\$55,226
Broward	194,506	146,186	218,492	263,998	340,692	\$295,227	\$170,568	\$74,134	\$12,012	\$551,940	\$256,713
Calhoun	991	977	1,332	1,579	1,968	\$2,610	\$837	\$364	\$59	\$3,870	\$1,260
Charlotte	11,507	9,438	13,636	16,392	20,945	\$17,885	\$9,903	\$4,304	\$697	\$32,789	\$14,904
Citrus	9,143	8,224	11,513	13,767	17,366	\$20,550	\$7,759	\$3,372	\$546	\$32,228	\$11,677
Clay	14,807	9,486	14,617	18,085	24,293	\$15,825	\$12,104	\$5,261	\$852	\$34,042	\$18,217
Collier	35,210	27,110	40,865	48,993	62,320	\$55,171	\$32,448	\$14,103	\$2,285	\$104,006	\$48,835
Columbia	4,876	4,536	6,501	7,612	9,412	\$9,897	\$4,635	\$2,015	\$326	\$16,874	\$6,976
DeSoto	3,820	4,624	6,039	7,119	8,443	\$12,923	\$3,338	\$1,451	\$235	\$17,947	\$5,024
Dixie	1,080	1,015	1,407	1,695	2,095	\$2,601	\$925	\$402	\$65	\$3,992	\$1,392
Duval	72,910	54,842	80,843	98,383	127,752	\$112,458	\$61,336	\$26,658	\$4,319	\$204,771	\$92,313
Escambia	21,645	18,063	25,768	31,112	39,708	\$40,384	\$18,176	\$7,900	\$1,280	\$67,739	\$27,356
Flagler	7,619	6,694	9,553	11,490	14,313	\$16,348	\$6,744	\$2,931	\$475	\$26,499	\$10,150
Franklin	926	809	1,130	1,362	1,734	\$1,878	\$757	\$329	\$53	\$3,018	\$1,140
Gadsden	3,544	4,177	5,545	6,445	7,721	\$12,052	\$3,227	\$1,403	\$227	\$16,909	\$4,857
Gilchrist	1,446	1,379	1,917	2,289	2,825	\$3,508	\$1,269	\$552	\$89	\$5,418	\$1,910
Glades	1,409	1,226	1,719	2,058	2,635	\$2,857	\$1,163	\$505	\$82	\$4,607	\$1,750
Gulf	1,133	909	1,323	1,588	2,042	\$2,068	\$977	\$424	\$69	\$3,538	\$1,470
Hamilton	857	898	1,244	1,461	1,755	\$2,298	\$816	\$355	\$57	\$3,527	\$1,228
Hardee	2,759	3,484	4,558	5,266	6,243	\$9,683	\$2,534	\$1,101	\$178	\$13,496	\$3,813
Hendry	4,507	5,403	7,221	8,285	9,910	\$14,343	\$4,289	\$1,864	\$302	\$20,797	\$6,455
Hernando	13,930	11,278	16,404	19,789	25,209	\$21,486	\$12,092	\$5,256	\$852	\$39,685	\$18,199
Highlands	8,472	7,837	11,160	13,108	16,309	\$17,590	\$7,839	\$3,407	\$552	\$29,388	\$11,798
Hillsborough	108,601	89,666	131,493	157,662	198,267	\$184,598	\$98,669	\$42,884	\$6,948	\$333,099	\$148,501
Holmes	1,402	1,346	1,862	2,189	2,748	\$3,458	\$1,217	\$529	\$86	\$5,290	\$1,832
Indian River	12,483	10,664	15,507	18,493	23,148	\$22,310	\$11,424	\$4,965	\$805	\$39,504	\$17,194

Jackson	2,922	2,372	3,477	4,158	5,294	\$5,313	\$2,607	\$1,133	\$184	\$9,236	\$3,923
Jefferson	933	878	1,241	1,465	1,811	\$2,137	\$856	\$372	\$60	\$3,426	\$1,289
Lafayette	736	763	1,050	1,231	1,498	\$1,987	\$677	\$294	\$48	\$3,006	\$1,019
Lake	23,978	18,167	26,962	32,766	42,145	\$35,559	\$20,747	\$9,017	\$1,461	\$66,784	\$31,225
Lee	64,204	51,511	76,305	91,109	115,715	\$107,636	\$58,488	\$25,421	\$4,119	\$195,664	\$88,028
Leon	16,626	19,553	25,816	29,809	36,180	\$57,374	\$14,774	\$6,421	\$1,040	\$79,610	\$22,236
Levy	3,613	3,697	5,090	5,969	7,310	\$9,643	\$3,286	\$1,428	\$231	\$14,589	\$4,946
Liberty	545	555	752	878	1,100	\$1,508	\$465	\$202	\$33	\$2,208	\$699
Madison	1,263	1,238	1,739	2,049	2,501	\$3,059	\$1,182	\$514	\$83	\$4,838	\$1,779
Manatee	29,573	24,900	35,719	43,107	54,473	\$53,758	\$25,522	\$11,092	\$1,797	\$92,169	\$38,411
Marion	26,742	24,773	34,952	41,434	51,515	\$59,797	\$24,012	\$10,436	\$1,691	\$95,936	\$36,139
Martin	11,361	9,062	13,348	15,967	20,424	\$17,756	\$10,111	\$4,394	\$712	\$32,972	\$15,217
Miami-Dade	343,940	302,381	438,574	521,158	646,321	\$680,875	\$321,275	\$139,635	\$22,625	\$1,164,410	\$483,535
Monroe	8,254	5,828	8,915	10,791	14,083	\$11,248	\$7,282	\$3,165	\$513	\$22,208	\$10,960
Nassau	5,334	3,594	5,458	6,842	8,928	\$6,940	\$4,397	\$1,911	\$310	\$13,558	\$6,618
Okaloosa	15,386	11,161	16,749	20,512	26,547	\$22,800	\$13,182	\$5,729	\$928	\$42,640	\$19,839
Okeechobee	3,789	4,083	5,575	6,417	7,872	\$9,968	\$3,520	\$1,530	\$248	\$15,265	\$5,297
Orange	120,469	109,521	156,778	185,291	229,991	\$241,514	\$111,478	\$48,451	\$7,850	\$409,294	\$167,780
Osceola	32,913	31,106	44,383	52,963	64,019	\$70,100	\$31,320	\$13,613	\$2,206	\$117,238	\$47,138
Palm Beach	128,699	101,367	149,548	179,321	230,066	\$213,998	\$113,657	\$49,399	\$8,004	\$385,058	\$171,060
Pasco	37,951	29,524	43,639	52,908	67,475	\$58,522	\$33,297	\$14,472	\$2,345	\$108,635	\$50,113
Pinellas	78,262	55,890	83,121	101,918	134,152	\$111,721	\$64,237	\$27,919	\$4,524	\$208,401	\$96,680
Polk	56,258	49,363	71,115	84,295	105,621	\$110,022	\$51,312	\$22,302	\$3,613	\$187,249	\$77,228
Putnam	5,826	6,880	9,188	10,566	12,706	\$20,019	\$5,444	\$2,366	\$383	\$28,213	\$8,194
Saint Johns	13,110	8,573	13,017	16,410	21,683	\$16,864	\$10,483	\$4,556	\$738	\$32,642	\$15,778
Saint Lucie	28,013	22,994	33,162	40,342	51,007	\$52,714	\$23,986	\$10,425	\$1,689	\$88,814	\$36,100
Santa Rosa	12,412	8,821	13,085	16,134	21,233	\$21,306	\$10,059	\$4,372	\$708	\$36,444	\$15,139
Sarasota	29,680	21,827	32,307	39,285	51,507	\$42,626	\$24,722	\$10,745	\$1,741	\$79,833	\$37,208
Seminole	36,521	24,807	37,482	46,036	61,329	\$42,856	\$29,900	\$12,995	\$2,106	\$87,857	\$45,001
Sumter	3,616	3,296	4,557	5,425	6,912	\$7,917	\$2,975	\$1,293	\$209	\$12,394	\$4,477
Suwannee	3,566	3,554	4,897	5,790	7,120	\$8,547	\$3,168	\$1,377	\$223	\$13,315	\$4,768
Taylor	1,444	1,244	1,773	2,117	2,688	\$2,968	\$1,248	\$542	\$88	\$4,846	\$1,878
Union	678	646	900	1,084	1,324	\$1,510	\$599	\$260	\$42	\$2,411	\$902
Volusia	44,324	35,610	52,025	62,326	79,934	\$76,843	\$38,722	\$16,830	\$2,727	\$135,123	\$58,279
Wakulla	2,107	1,554	2,287	2,820	3,661	\$3,452	\$1,729	\$752	\$122	\$6,054	\$2,602
Walton	5,637	4,375	6,338	7,711	10,012	\$10,056	\$4,631	\$2,013	\$326	\$17,025	\$6,969
Washington	1,682	1,530	2,120	2,517	3,213	\$3,914	\$1,392	\$605	\$98	\$6,008	\$2,095
Notes	[A]					[B]	[C]	[D]	[E]	[F]	[G]

Note:	Figures represent simulated changes in health spending in 2013 assuming the Affordable Care Act had been fully implemented that year. In actuality, the expansion of coverage and attendant increase in federal expenditures is taking place more slowly.
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Notes

[A] All figures are compiled by authors from Small Area Health Insurance Estimates for 2013 reported in [S2].

[B] Adults in this poverty category would be covered only if Florida adopted the ACA Medicaid expansion. All figures are calculated by authors: $(ACA \text{ Subsidies for } 138\text{-}200\% \text{ Poverty}) * (\text{Number of Uninsured Below } 138\% \text{ Poverty}) / (\text{Number of Uninsured Below } 200\% \text{ Poverty} - \text{Number of Uninsured Below } 138\% \text{ Poverty}) * (1 - \text{Share of Uninsured Adults } 18\text{-}64 \text{ Below } 100\% \text{ Poverty}) / (\text{Share of Uninsured Adults } 18\text{-}64 \text{ Below } 138\% \text{ Poverty})$. Figures on the share of uninsured adults below 100% and 138% of poverty are reported in [S3]. This calculation conservatively assumes that the per capita cost of subsidies for those with income from 100-138% is the same as for those between 138-200% poverty.

[C] All figures are calculated by authors. The Florida figure is calculated from premium subsidy figures for 2011 reported in [P2.1] and cost-sharing subsidy figures reported in [P2.2], inflated to 2013 based on the increase in U.S. personal health spending per capita between 2011 and 2013 [P1]: $[(\text{Premium Subsidies, 2011}) + (\text{Cost-Sharing Subsidies, 2011})] * (1 + \text{Percent Increase in PCHE from 2011 to 2013})$. The original 2011 figures were estimated by Urban Institute assuming that the ACA was fully implemented in that year. This estimated 2013 total is allocated back to counties in proportion to their share of the uninsured population with incomes between 138-200% of poverty using figures in adjacent columns, where each county's share is calculated as: $[(\text{County Uninsured } <200\% \text{ FPL}) - (\text{County Uninsured } <138\% \text{ FPL})] / [(\text{State Uninsured } <200\% \text{ FPL}) - (\text{State Uninsured } <138\% \text{ FPL})]$.

[D] All figures are calculated by authors using the same logic as described in Footnote [F]. The Florida total is allocated back to counties in proportion to their share of the uninsured population with incomes between 200-250% of poverty using figures in adjacent columns.

[E] All figures are calculated by authors using the same logic as described in Footnote [F]. The Florida total is allocated back to counties in proportion to their share of the uninsured population with incomes between 250-400% of poverty using figures in adjacent columns.

[F] All figures are calculated by authors: $(\text{Total Exchange Subsidies in thousands for } 100\text{-}400\% \text{ Poverty}) / [(\text{Total Health Spending in millions}) * 1,000]$.

[G] All figures are calculated by authors: $(\text{Total Exchange Subsidies in thousands for } 138\text{-}400\% \text{ Poverty}) / [(\text{Total Health Spending in millions}) * 1,000]$.

Parameters

[P1]	5.02%	Percent increase in personal health spending per capita in US, 2011 to 2012 [S4]				
	<200% Poverty	200-300% FPL	300-400% FPL	Total	Item	Notes
[P2.1]	\$ 1,291,249	\$ 651,732	\$ 108,537	\$ 2,051,518	Premium Subsidies in Florida (in thousands)	[P2a]
[P2.2]	\$250,009	\$18,143	-----	\$ 268,152	Cost Sharing Subsidies in Florida (in thousands)	[P2b]

[P2a] All figures reported in Table 4 of [S1].

[P2b] All figures reported in Table 4 of [S1]. Note that cost-sharing subsidies only are provided to families below 250% of FPL.

Sources

[S1] Buettgens, Matthew, John Holahan & Caitlyn Carroll. *Health Reform Across the States: Increased Insurance Coverage & Federal Spending on the Exchanges & Medicaid*. Available at: <http://www.urban.org/uploadedpdf/412310-Health-Reform-Across-the-States.pdf>.

[S2] Census Bureau, Small Area Health Insurance (SAHIE) Program. *Model-based Small Area Health Insurance Estimates (SHI) for Counties & States*. March 2014. Available at <https://www.census.gov/did/www/sahie/>

[S3] Unruh, L. & Rutherford, A. Table B-2b. Low Income Nonelderly Uninsured Adults, by County, 2013. University of Central Florida, Center for Nursing.

[S4] CMS. (2014a). *Table 1 National health Expenditures: Aggregate & Per Capita Amounts, Annual Percent Change & Percent Distribution: Selected Calendar Years 1960-2012*. Available at <http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/Downloads/tables.pdf>.

Table B-2a. Uninsured Persons by Poverty Status, by County, 2013

COUNTY	2013 DISTRIBUTION OF UNINSURED					MARGIN OF ERROR (MOE)				
	Total	<138% Poverty	<200% Poverty	<250% Poverty	<400% Poverty	Total	<138% Poverty	<200% Poverty	<250% Poverty	<400% Poverty
Florida	1,817,107	1,503,429	2,189,458	2,623,419	3,320,535	26,745	26,451	32,283	33,530	37,052
Alachua	16,081	20,247	26,780	30,655	36,328	1,150	2,039	2,403	2,598	2,808
Baker	1,796	1,448	2,033	2,498	3,244	168	180	230	265	309
Bay	13,974	10,442	15,312	18,609	24,416	1,007	1,043	1,339	1,521	1,781
Bradford	1,697	1,545	2,208	2,597	3,242	150	185	235	261	293
Brevard	41,609	32,473	48,028	57,919	74,081	2,334	2,415	3,139	3,557	4,119
Broward	194,506	146,186	218,492	263,998	340,692	6,850	7,298	9,011	10,002	11,333
Calhoun	991	977	1,332	1,579	1,968	90	117	144	161	181
Charlotte	11,507	9,438	13,636	16,392	20,945	771	810	1,039	1,180	1,373
Citrus	9,143	8,224	11,513	13,767	17,366	668	749	953	1,083	1,243
Clay	14,807	9,486	14,617	18,085	24,293	1,108	952	1,285	1,495	1,813
Collier	35,210	27,110	40,865	48,993	62,320	1,928	2,033	2,573	2,880	3,304
Columbia	4,876	4,536	6,501	7,612	9,412	399	484	626	695	781
DeSoto	3,820	4,624	6,039	7,119	8,443	268	359	419	456	495
Dixie	1,080	1,015	1,407	1,695	2,095	95	116	145	163	182
Duval	72,910	54,842	80,843	98,383	127,752	3,714	3,760	4,853	5,506	6,402
Escambia	21,645	18,063	25,768	31,112	39,708	1,445	1,639	2,077	2,348	2,691
Flagler	7,619	6,694	9,553	11,490	14,313	566	621	798	908	1,042
Franklin	926	809	1,130	1,362	1,734	78	88	109	123	140
Gadsden	3,544	4,177	5,545	6,445	7,721	295	425	512	564	621
Gilchrist	1,446	1,379	1,917	2,289	2,825	119	144	179	201	224
Glades	1,409	1,226	1,719	2,058	2,635	112	128	154	169	191
Gulf	1,133	909	1,323	1,588	2,042	95	102	130	147	169
Hamilton	857	898	1,244	1,461	1,755	78	104	130	144	158
Hardee	2,759	3,484	4,558	5,266	6,243	222	321	373	402	436
Hendry	4,507	5,403	7,221	8,285	9,910	322	456	542	586	641
Hernando	13,930	11,278	16,404	19,789	25,209	949	985	1,286	1,467	1,698
Highlands	8,472	7,837	11,160	13,108	16,309	583	673	855	953	1,076
Hillsborough	108,601	89,666	131,493	157,662	198,267	4,604	5,166	6,548	7,313	8,254
Holmes	1,402	1,346	1,862	2,189	2,748	117	148	184	205	230
Indian River	12,483	10,664	15,507	18,493	23,148	804	888	1,128	1,269	1,450
Jackson	2,922	2,372	3,477	4,158	5,294	246	270	352	397	453
Jefferson	933	878	1,241	1,465	1,811	84	105	132	148	165
Lafayette	736	763	1,050	1,231	1,498	65	85	104	115	127

Lake	23,978	18,167	26,962	32,766	42,145	1,529	1,532	2,008	2,300	2,688
Lee	64,204	51,511	76,305	91,109	115,715	2,955	3,117	3,985	4,467	5,130
Leon	16,626	19,553	25,816	29,809	36,180	1,207	2,066	2,432	2,640	2,890
Levy	3,613	3,697	5,090	5,969	7,310	274	353	437	486	542
Liberty	545	555	752	878	1,100	53	66	82	90	102
Madison	1,263	1,238	1,739	2,049	2,501	113	147	185	205	227
Manatee	29,573	24,900	35,719	43,107	54,473	1,685	1,815	2,309	2,625	3,031
Marion	26,742	24,773	34,952	41,434	51,515	1,585	1,852	2,340	2,626	2,982
Martin	11,361	9,062	13,348	15,967	20,424	777	803	1,035	1,167	1,358
Miami-Dade	343,940	302,381	438,574	521,158	646,321	9,364	10,795	12,945	14,106	15,609
Monroe	8,254	5,828	8,915	10,791	14,083	596	564	741	843	998
Nassau	5,334	3,594	5,458	6,842	8,928	447	400	533	628	748
Okaloosa	15,386	11,161	16,749	20,512	26,547	1,138	1,154	1,485	1,695	1,972
Okeechobee	3,789	4,083	5,575	6,417	7,872	287	394	471	510	554
Orange	120,469	109,521	156,778	185,291	229,991	5,339	6,417	7,902	8,733	9,754
Osceola	32,913	31,106	44,383	52,963	64,019	2,092	2,518	3,116	3,490	3,904
Palm Beach	128,699	101,367	149,548	179,321	230,066	4,963	5,232	6,587	7,329	8,374
Pasco	37,951	29,524	43,639	52,908	67,475	2,063	2,100	2,735	3,116	3,603
Pinellas	78,262	55,890	83,121	101,918	134,152	3,578	3,440	4,421	5,038	5,928
Polk	56,258	49,363	71,115	84,295	105,621	2,858	3,238	4,120	4,596	5,207
Putnam	5,826	6,880	9,188	10,566	12,706	422	622	753	823	906
Saint Johns	13,110	8,573	13,017	16,410	21,683	972	846	1,131	1,331	1,598
Saint Lucie	28,013	22,994	33,162	40,342	51,007	1,724	1,754	2,260	2,593	3,019
Santa Rosa	12,412	8,821	13,085	16,134	21,233	901	871	1,125	1,291	1,532
Sarasota	29,680	21,827	32,307	39,285	51,507	1,717	1,649	2,140	2,452	2,912
Seminole	36,521	24,807	37,482	46,036	61,329	2,244	2,074	2,714	3,123	3,756
Sumter	3,616	3,296	4,557	5,425	6,912	307	382	462	511	581
Suwannee	3,566	3,554	4,897	5,790	7,120	279	353	435	486	540
Taylor	1,444	1,244	1,773	2,117	2,688	127	151	191	214	243
Union	678	646	900	1,084	1,324	65	81	103	116	130
Volusia	44,324	35,610	52,025	62,326	79,934	2,381	2,516	3,233	3,640	4,216
Wakulla	2,107	1,554	2,287	2,820	3,661	193	197	256	296	344
Walton	5,637	4,375	6,338	7,711	10,012	425	435	551	626	733
Washington	1,682	1,530	2,120	2,517	3,213	140	171	214	240	271

Note: All figures are 2013 estimates reported at [S1]. State totals are reported and may not match the sum of county figures due to rounding.

Sources

[S1] Census Bureau, Small Area Health Insurance (SAHIE) Program. *Model-based Small Area Health Insurance Estimates (SAHIE) for Counties & States*. Available at <http://www.census.gov/did/www/sahie/data/interactive/sahie.html>.

Table B-2b. Low Income Nonelderly Uninsured Adults, by County, 2013

COUNTY	2013 UNINSURED NONELDERLY ADULTS BELOW 138% POVERTY		SHARE OF UNINSURED NONELDERLY ADULTS		AREA NAME
	Total	Margin of Error	<100% FPL	<138% Poverty	
Florida	1,316,059	23,858	25.1%	39.10%	Florida
Alachua	18,520	1,992	35.1%	50.5%	Alachua County (Gainesville/ Alachua/ High Springs)
Baker	1,233	167	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
Bay	9,180	985	25.3%	44.5%	Bay County (Panama City/ Lynn Haven/ Callaway)
Bradford	1,340	174	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
Brevard	28,332	2,225	27.8%	45.8%	Brevard/St Lucie County (Palm Bay/ Melbourne/ Titusville)
Broward	126,396	6,601	22.6%	36.4%	Miami-Fort Lauderdale-Port St. Lucie Greater Metro Area
Calhoun	850	110	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Charlotte	8,203	749	22.6%	41.7%	Charlotte County (Port Charlotte/ Punta Gorda/ Rotonda)
Citrus	7,183	697	31.7%	47.8%	Gainesville-Lake City Greater Metro Area
Clay	8,210	880	24.1%	44.3%	Clay County (Lakeside/ Fleming Island/ Oakleaf Plantation)
Collier	22,913	1,823	22.4%	35.2%	Collier County (Immokalee/ Golden Gate/ Naples)
Columbia	3,969	455	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
DeSoto	4,022	327	24.7%	40.6%	North Port-Sarasota Greater Metro Area
Dixie	879	108	31.7%	47.8%	Gainesville-Lake City Greater Metro Area
Duval	48,223	3,477	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
Escambia	16,127	1,556	29.5%	47.5%	Escambia County (Pensacola/ Ferry Pass/ Bellview)
Flagler	5,598	555	33.0%	48.6%	Palm Coast/ Palatka/ Flagler Beach Area
Franklin	687	81	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
Gadsden	3,580	389	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Gilchrist	1,173	133	31.7%	47.8%	Gainesville-Lake City Greater Metro Area
Glades	996	110	22.6%	36.4%	Miami-Fort Lauderdale-Port St. Lucie Greater Metro Area
Gulf	785	95	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Hamilton	761	96	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Hardee	2,965	288	24.7%	40.6%	North Port-Sarasota Greater Metro Area
Hendry	4,534	397	22.6%	36.4%	Miami-Fort Lauderdale-Port St. Lucie Greater Metro Area
Hernando	9,677	903	24.5%	44.3%	Hernando/ Benton (Spring Hill/ North Weeki Wachee/ Brooksville)
Highlands	6,851	617	22.6%	36.4%	Miami-Fort Lauderdale-Port St. Lucie Greater Metro Area
Hillsborough	77,897	4,681	24.7%	40.6%	North Port-Sarasota Greater Metro Area
Holmes	1,183	140	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Indian River	9,177	810	27.8%	45.8%	Brevard/St Lucie County (Palm Bay/ Melbourne/ Titusville)

Jackson	2,077	256	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Jefferson	749	98	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Lafayette	590	70	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Lake	15,624	1,385	27.7%	46.7%	Lake County (Clermont/ Leesburg/ Eustis)
Lee	44,157	2,773	24.6%	39.0%	Lee County (Cape Coral/ Lehigh Acres/ Fort Myers)
Leon	17,595	2,005	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Levy	3,227	328	31.7%	47.8%	Gainesville-Lake City Greater Metro Area
Liberty	470	61	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Madison	1,081	140	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Manatee	21,502	1,639	24.3%	40.0%	Manatee (Bradenton/ South Bradenton/ Bayshore Gardens)
Marion	21,572	1,696	32.0%	49.0%	Marion County (Ocala/ The Villages/ Silver Springs Shores)
Martin	7,676	723	25.6%	43.8%	Martin County (Palm City/ Stuart/ Jensen Beach)
Miami-Dade	273,835	9,987	24.1%	37.1%	Hialeah/ Miami Beach/ North Miami Area
Monroe	5,151	533	22.6%	36.4%	Miami-Fort Lauderdale-Port St. Lucie Greater Metro Area
Nassau	3,153	379	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
Okaloosa	9,489	1,064	27.1%	42.8%	Okaloosa County (Wright/ Crestview/ Fort Walton Beach)
Okeechobee	3,585	370	27.8%	45.8%	Brevard/St Lucie County (Palm Bay/ Melbourne/ Titusville)
Orange	94,934	5,828	26.8%	43.4%	Orlando-Deltona-Daytona Beach Greater Metro Area
Osceola	25,993	2,212	24.3%	38.8%	Osceola County (Kissimmee/ St. Cloud/ Poinciana)
Palm Beach	87,445	4,670	23.0%	36.4%	West Palm Beach/ Jupiter/ Palm Beach Gardens Area
Pasco	25,929	1,935	29.9%	50.2%	Pasco County (Wesley Chapel/ Land O Lakes/ Bayonet Point)
Pinellas	50,287	3,241	24.7%	40.6%	North Port-Sarasota Greater Metro Area
Polk	42,398	2,876	26.6%	42.0%	Polk County (Lakeland/ Winter Haven/ Poinciana)
Putnam	5,964	570	33.0%	48.6%	Palm Coast/ Palatka/ Flagler Beach Area
Saint Johns	7,134	762	28.2%	45.2%	St Johns County (Fruit Cove/ Palm Valley/ St. Augustine)
Saint Lucie	20,042	1,604	30.3%	46.4%	St Lucie County (Port St. Lucie/ Fort Pierce/ Lakewood Park)
Santa Rosa	7,503	793	32.1%	43.9%	Santa Rosa County (Navarre/ Pace/ Midway)
Sarasota	18,715	1,489	24.6%	41.8%	Sarasota County (North Port/ Sarasota/ Venice)
Seminole	21,606	1,928	23.5%	43.3%	Seminole County (Sanford/ Altamonte Springs/ Oviedo)
Sumter	2,865	364	26.8%	43.4%	Orlando-Deltona-Daytona Beach Greater Metro Area
Suwannee	3,010	320	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
Taylor	1,097	144	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Union	540	74	28.0%	45.7%	Jacksonville-St. Marys-Palatka Greater Metro Area
Volusia	31,241	2,308	31.5%	49.8%	Volusia County (Deltona/ Daytona Beach/ Port Orange)
Wakulla	1,300	181	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Walton	3,742	400	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Washington	1,338	161	33.0%	49.9%	Tallahassee/ Quincy/ Perry Area
Notes	[A]		[B]		
Notes					

[A] All figures are 2013 estimates reported at [S1]. State totals are as reported and may not match the sum of county figures due to rounding.

[B] All figures are 2014 estimates reported in [S2]. The original source provided estimates for 21 Consolidated Statistical Areas (CSAs), 20 named counties and 19 geographic areas within CSAs. Estimates have been assigned by authors to the remaining unnamed counties based on the descriptions of the geographic areas given in the original source (shown under Area Name) where feasible. Otherwise, assignment was based on geographic location, using the figures from the most proximate county within the same HAS, CSA, or region.

Sources

[S1] Census Bureau, Small Area Health Insurance (SAHIE) Program. *Model-based Small Area Health Insurance Estimates (SAHIE) for Counties & States*. Available at <http://www.census.gov/did/www/sahie/data/interactive/sahie.html>.

[S2] Urban Institute, Health Policy Center. *Uninsured Adults who would be Newly Eligible for Medicaid Under the ACA Medicaid Expansion*. Urban Institute. Available at <http://datatools.metrotrends.org/Features/localMedicaid/UrbanInstituteLocalMedicaidExpansion.xlsx>.

Table B-3. Estimated Increase in Federal Health Expenditures Due to Medicaid Expansion, by County

COUNTY	2013 DISTRIBUTION OF UNINSURED			SHARE OF UNIN-SURED <138% POVERTY WHO ARE AGE 18-64	2013 DISTRIBUTION OF NEW FEDERAL MEDICAID FUNDS UNDER THE AFFORDABLE CARE ACT (THOUSANDS)				NET INCREASE IN FEDERALLY-FUNDED HEALTH SPENDING	
	Total	<100% Poverty	<138% Poverty		Without Medicaid Expansion		With Medicaid Expansion		Without Medicaid Expansion	With Medicaid Expansion
					<100% Poverty	100-138% Poverty	<100% Poverty	100-138% Poverty		
Florida	1,817,107	965,117	1,503,429	39.1%	\$298,763	\$166,641	\$3,105,893	\$1,732,371	\$465,404	\$4,838,263
Alachua	16,081	14,073	20,247	50.5%	\$4,356	\$1,911	\$45,288	\$19,870	\$6,268	\$65,158
Baker	1,796	887	1,448	45.7%	\$275	\$174	\$2,855	\$1,805	\$448	\$4,660
Bay	13,974	5,937	10,442	44.5%	\$1,838	\$1,395	\$19,105	\$14,499	\$3,232	\$33,604
Bradford	1,697	947	1,545	45.7%	\$293	\$185	\$3,046	\$1,926	\$478	\$4,972
Brevard	41,609	19,711	32,473	45.8%	\$6,102	\$3,951	\$63,432	\$41,071	\$10,052	\$104,503
Broward	194,506	90,764	146,186	36.4%	\$28,097	\$17,157	\$292,092	\$178,357	\$45,254	\$470,449
Calhoun	991	646	977	49.9%	\$200	\$102	\$2,079	\$1,065	\$302	\$3,144
Charlotte	11,507	5,115	9,438	41.7%	\$1,583	\$1,338	\$16,461	\$13,912	\$2,922	\$30,373
Citrus	9,143	5,454	8,224	47.8%	\$1,688	\$857	\$17,552	\$8,914	\$2,546	\$26,466
Clay	14,807	5,161	9,486	44.3%	\$1,598	\$1,339	\$16,607	\$13,920	\$2,937	\$30,527
Collier	35,210	17,252	27,110	35.2%	\$5,340	\$3,052	\$55,519	\$31,725	\$8,392	\$87,244
Columbia	4,876	2,779	4,536	45.7%	\$860	\$544	\$8,944	\$5,654	\$1,404	\$14,598
DeSoto	3,820	2,813	4,624	40.6%	\$871	\$561	\$9,053	\$5,828	\$1,431	\$14,881
Dixie	1,080	673	1,015	47.8%	\$208	\$106	\$2,166	\$1,100	\$314	\$3,266
Duval	72,910	33,601	54,842	45.7%	\$10,402	\$6,575	\$108,134	\$68,356	\$16,977	\$176,490
Escambia	21,645	11,218	18,063	47.5%	\$3,473	\$2,119	\$36,101	\$22,028	\$5,592	\$58,129
Flagler	7,619	4,545	6,694	48.6%	\$1,407	\$665	\$14,627	\$6,915	\$2,072	\$21,542
Franklin	926	496	809	45.7%	\$153	\$97	\$1,595	\$1,008	\$250	\$2,603
Gadsden	3,544	2,762	4,177	49.9%	\$855	\$438	\$8,890	\$4,553	\$1,293	\$13,442
Gilchrist	1,446	915	1,379	47.8%	\$283	\$144	\$2,943	\$1,495	\$427	\$4,438
Glades	1,409	761	1,226	36.4%	\$236	\$144	\$2,450	\$1,496	\$380	\$3,945
Gulf	1,133	601	909	49.9%	\$186	\$95	\$1,935	\$991	\$281	\$2,925
Hamilton	857	594	898	49.9%	\$184	\$94	\$1,911	\$979	\$278	\$2,890
Hardee	2,759	2,120	3,484	40.6%	\$656	\$422	\$6,821	\$4,391	\$1,079	\$11,212

Hendry	4,507	3,355	5,403	36.4%	\$1,038	\$634	\$10,796	\$6,592	\$1,673	\$17,388
Hernando	13,930	6,237	11,278	44.3%	\$1,931	\$1,560	\$20,072	\$16,222	\$3,491	\$36,294
Highlands	8,472	4,866	7,837	36.4%	\$1,506	\$920	\$15,659	\$9,562	\$2,426	\$25,221
Hillsborough	108,601	54,550	89,666	40.6%	\$16,887	\$10,870	\$175,552	\$113,007	\$27,757	\$288,559
Holmes	1,402	890	1,346	49.9%	\$276	\$141	\$2,865	\$1,467	\$417	\$4,332
Indian River	12,483	6,473	10,664	45.8%	\$2,004	\$1,297	\$20,831	\$13,488	\$3,301	\$34,318
Jackson	2,922	1,569	2,372	49.9%	\$486	\$249	\$5,048	\$2,585	\$734	\$7,633
Jefferson	933	581	878	49.9%	\$180	\$92	\$1,869	\$957	\$272	\$2,826
Lafayette	736	505	763	49.9%	\$156	\$80	\$1,624	\$832	\$236	\$2,455
Lake	23,978	10,776	18,167	46.7%	\$3,336	\$2,288	\$34,678	\$23,786	\$5,624	\$58,464
Lee	64,204	32,492	51,511	39.0%	\$10,058	\$5,888	\$104,563	\$61,208	\$15,946	\$165,770
Leon	16,626	12,931	19,553	49.9%	\$4,003	\$2,050	\$41,613	\$21,311	\$6,053	\$62,925
Levy	3,613	2,452	3,697	47.8%	\$759	\$385	\$7,890	\$4,007	\$1,144	\$11,898
Liberty	545	367	555	49.9%	\$114	\$58	\$1,181	\$605	\$172	\$1,786
Madison	1,263	819	1,238	49.9%	\$253	\$130	\$2,635	\$1,349	\$383	\$3,984
Manatee	29,573	15,127	24,900	40.0%	\$4,683	\$3,025	\$48,680	\$31,452	\$7,708	\$80,132
Marion	26,742	16,178	24,773	49.0%	\$5,008	\$2,661	\$52,064	\$27,659	\$7,669	\$79,723
Martin	11,361	5,297	9,062	43.8%	\$1,640	\$1,166	\$17,045	\$12,118	\$2,805	\$29,163
Miami-Dade	343,940	196,425	302,381	37.1%	\$60,806	\$32,800	\$632,127	\$340,981	\$93,606	\$973,108
Monroe	8,254	3,618	5,828	36.4%	\$1,120	\$684	\$11,645	\$7,111	\$1,804	\$18,755
Nassau	5,334	2,202	3,594	45.7%	\$682	\$431	\$7,086	\$4,480	\$1,113	\$11,566
Okaloosa	15,386	7,067	11,161	42.8%	\$2,188	\$1,267	\$22,742	\$13,175	\$3,455	\$35,918
Okeechobee	3,789	2,478	4,083	45.8%	\$767	\$497	\$7,976	\$5,164	\$1,264	\$13,140
Orange	120,469	67,630	109,521	43.4%	\$20,936	\$12,968	\$217,645	\$134,810	\$33,904	\$352,455
Osceola	32,913	19,481	31,106	38.8%	\$6,031	\$3,599	\$62,694	\$37,410	\$9,629	\$100,104
Palm Beach	128,699	64,051	101,367	36.4%	\$19,828	\$11,552	\$206,124	\$120,090	\$31,379	\$326,214
Pasco	37,951	17,585	29,524	50.2%	\$5,444	\$3,696	\$56,591	\$38,422	\$9,139	\$95,013
Pinellas	78,262	34,002	55,890	40.6%	\$10,526	\$6,776	\$109,424	\$70,439	\$17,301	\$179,863
Polk	56,258	31,263	49,363	42.0%	\$9,678	\$5,603	\$100,610	\$58,248	\$15,281	\$158,858
Putnam	5,826	4,672	6,880	48.6%	\$1,446	\$684	\$15,034	\$7,107	\$2,130	\$22,141
Saint Johns	13,110	5,349	8,573	45.2%	\$1,656	\$998	\$17,213	\$10,376	\$2,654	\$27,589
Saint Lucie	28,013	15,015	22,994	46.4%	\$4,648	\$2,470	\$48,322	\$25,676	\$7,118	\$73,998
Santa Rosa	12,412	6,450	8,821	43.9%	\$1,997	\$734	\$20,757	\$7,630	\$2,731	\$28,387
Sarasota	29,680	12,846	21,827	41.8%	\$3,976	\$2,780	\$41,339	\$28,904	\$6,757	\$70,243
Seminole	36,521	13,463	24,807	43.3%	\$4,168	\$3,512	\$43,327	\$36,506	\$7,679	\$79,833

Sumter	3,616	2,035	3,296	43.4%	\$630	\$390	\$6,550	\$4,057	\$1,020	\$10,607
Suwannee	3,566	2,178	3,554	45.7%	\$674	\$426	\$7,008	\$4,430	\$1,100	\$11,437
Taylor	1,444	823	1,244	49.9%	\$255	\$130	\$2,648	\$1,356	\$385	\$4,003
Union	678	396	646	45.7%	\$123	\$77	\$1,274	\$805	\$200	\$2,079
Volusia	44,324	22,524	35,610	49.8%	\$6,973	\$4,051	\$72,487	\$42,111	\$11,023	\$114,598
Wakulla	2,107	1,028	1,554	49.9%	\$318	\$163	\$3,307	\$1,694	\$481	\$5,001
Walton	5,637	2,893	4,375	49.9%	\$896	\$459	\$9,311	\$4,768	\$1,354	\$14,079
Washington	1,682	1,012	1,530	49.9%	\$313	\$160	\$3,256	\$1,668	\$474	\$4,924
Notes	[A]	[B]	[A]	[C]	[D]	[E]	[F]	[G]	[H]	

Notes

[A] All figures are compiled by authors from SAHIE for 2013 reported in [S1].

[B] All figures are calculated by authors using figures on uninsured adults <138% poverty reported in [S2]: Number of Uninsured Below 138% Poverty * (Share of Uninsured Adults 18-64 Below 100% Poverty) / (Share of Uninsured Adults 18-64 Below 138% Poverty).

[C] All figures are calculated by authors using figures on uninsured adults <138% poverty reported in [S2].

[D] All figures are calculated by authors. The Florida total figure is calculated from federal Medicaid spending figure for 2012 reported in [P1] and the estimated percentage increase in federal Medicaid spending without FL adoption of Medicaid expansion [P2]: (Federal Medicaid Spending in 2012, FL) x (Percentage Increase Over Baseline, ACA Without NC Adoption of Medicaid Expansion) x (County Uninsured <100% Poverty) / (FL Uninsured <100%).

[E] All figures are calculated by authors using the same logic as described in footnote [D]. The Florida total is allocated back to counties in proportion to their share of the uninsured population with incomes between 100-138% of poverty using figures in adjacent columns.

[F] All figures are calculated by authors. The Florida total figure is calculated from federal Medicaid spending figure for 2012 reported in [P1] and the estimated percentage increase in federal Medicaid spending including FL adoption of Medicaid expansion [P2]: (Federal Medicaid Spending in 2012, FL)* (Percentage Increase Over Baseline, ACA Including FL Adoption of Medicaid Expansion) * (County Uninsured <100% Poverty) / (FL Uninsured <100%).

[G] All figures are calculated by authors using the same logic as described in footnote [F]. The Florida total is allocated back to counties in proportion to their share of the uninsured population with incomes between 100-138% of poverty using figures in adjacent columns.

[H] All figures are calculated by authors by summing separate figures shown for <100% poverty and 100-138% poverty.

All figures are calculated by authors: (Total Exchange Subsidies in thousands for 138-400% Poverty)/[(Total Health Spending in millions) x 1,000].

Parameters

[P1]	\$ 12,223,995,942	Federal Share of Medicaid Spending in FL, FFY 2013 [S4].		
[P2]	Projected Federal Medicaid Expenditures, 2013-2022			
	Projected Spending	Scenario	% Increase Over Baseline	Notes
	\$ 146,971	No Affordable Care Act	NA	[P2]
	\$ 154,153	Affordable Care Act without FL Adoption of Medicaid Expansion	4.6%	[P2b]
	\$220,266	Affordable Care Act including FL adoption of Medicaid Expansion	49.9%	[P2]
	[P2] All projected spending figures reported in Table ES-1 of [S3]. Percentage increase calculated by authors using figures shown.			
	[P2] All projected spending figures reported in Table ES-2 of [S3]. Percentage increase calculated by authors using figures shown.			

Sources

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- [S1] Census Bureau, Small Area Health Insurance (SAHIE) Program. *Model-based Small Area Health Insurance Estimates (SAHIE) for Counties & States*. Available at <http://www.census.gov/did/www/sahie/data/interactive/sahie.html>.
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- [S2] Unruh, L. & Rutherford, A. Table B-2b. Low Income Nonelderly Uninsured Adults, by County, 2013. University of Central Florida, Florida Center for Nursing.
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- [S3] Holahan, John, Matthew Buettgens, Caitlin Carroll, Stan Dorn. *The Cost and Coverage Implications of the ACA Medicaid Expansion: National and State-by-State Analysis*. Urban Institute, November 2012. Available at: <http://kaiserfamilyfoundation.files.wordpress.com/2013/01/8384.pdf>.
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- [S4] KFF. (2014). *Federal and State Share of Medicaid Spending*. Available at: <http://kff.org/medicaid/state-indicator/federalstate-share-of-spending/>.
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Table B-4. Estimated Increase in Health Expenditures Due to Affordable Care Act, by County

COUNTY	2013 TOTAL HEALTH SPENDING, ALL PAYMENT SOURCES				ESTIMATED INCREASE IN FEDERAL SPENDING DUE TO AFFORDABLE CARE ACT						PERCENTAGE INCREASE IN HEALTH SPENDING DUE TO FEDERAL ACA SPENDING		DEMAND INCREASE DUE TO DEMOGRAPHIC CHANGES 2013-2025	RATIO: DEMAND INCREASE DUE TO ACA/DEMAND INCREASE DUE TO DEMOGRAPHICS	
					Without Medicaid Expansion			With Medicaid Expansion						Without Medicaid Expansion	With Medicaid Expansion
	Total Health Spending Index	Medicare Price Adjuster	Total Health Spending in \$ Per Capita	Total Health Spending in \$	Total \$	Exchange Subsidies \$	Federal Medicaid Spending \$	Total \$	Exchange Subsidies \$	Federal Medicaid Spending \$	Without Medicaid Expansion	With Medicaid Expansion			
Florida	1.46	1.000	\$7,951	\$153,604,248	\$4,750,369	\$4,284,965	\$465,404	\$7,273,917	\$2,435,654	\$4,838,263	3.09%	4.74%	21.73%	14.24%	21.80%
Alachua	1.22	1.047	\$6,951	\$1,723,764	\$91,557	\$85,289	\$6,268	\$88,352	\$23,195	\$65,158	5.31%	5.13%	18.56%	28.61%	27.61%
Baker	1.24	1.008	\$6,792	\$185,724	\$5,844	\$5,396	\$448	\$6,737	\$2,077	\$4,660	3.15%	3.63%	23.22%	13.55%	15.62%
Bay	1.38	0.936	\$7,027	\$1,198,409	\$40,615	\$37,383	\$3,232	\$50,894	\$17,290	\$33,604	3.39%	4.25%	17.19%	19.71%	24.70%
Bradford	1.35	1.008	\$7,434	\$198,618	\$6,226	\$5,747	\$478	\$7,326	\$2,354	\$4,972	3.13%	3.69%	21.29%	14.72%	17.33%
Brevard	1.58	0.960	\$8,278	\$4,544,816	\$130,788	\$120,736	\$10,052	\$159,729	\$55,226	\$104,503	2.88%	3.51%	17.60%	16.35%	19.97%
Broward	1.39	1.056	\$8,001	\$14,289,161	\$597,193	\$551,940	\$45,254	\$727,162	\$256,713	\$470,449	4.18%	5.09%	14.17%	29.49%	35.91%
Calhoun	1.38	0.874	\$6,551	\$96,111	\$4,172	\$3,870	\$302	\$4,405	\$1,260	\$3,144	4.34%	4.58%	14.55%	29.84%	31.50%
Charlotte	1.98	0.976	\$10,546	\$1,747,891	\$35,711	\$32,789	\$2,922	\$45,277	\$14,904	\$30,373	2.04%	2.59%	16.07%	12.71%	16.12%
Citrus	1.92	0.967	\$10,095	\$1,432,501	\$34,773	\$32,228	\$2,546	\$38,143	\$11,677	\$26,466	2.43%	2.66%	17.36%	13.98%	15.34%
Clay	1.29	0.978	\$6,886	\$1,346,553	\$36,978	\$34,042	\$2,937	\$48,744	\$18,217	\$30,527	2.75%	3.62%	31.78%	8.64%	11.39%
Collier	1.71	1.028	\$9,566	\$3,223,904	\$112,398	\$104,006	\$8,392	\$136,079	\$48,835	\$87,244	3.49%	4.22%	26.89%	12.96%	15.70%
Columbia	1.40	0.997	\$7,590	\$518,908	\$18,278	\$16,874	\$1,404	\$21,574	\$6,976	\$14,598	3.52%	4.16%	20.03%	17.59%	20.76%
DeSoto	1.41	0.983	\$7,532	\$258,905	\$19,379	\$17,947	\$1,431	\$19,905	\$5,024	\$14,881	7.48%	7.69%	4.20%	178.09%	182.93%
Dixie	1.52	1.013	\$8,405	\$138,879	\$4,307	\$3,992	\$314	\$4,658	\$1,392	\$3,266	3.10%	3.35%	21.69%	14.30%	15.46%
Duval	1.28	0.980	\$6,805	\$5,969,941	\$221,748	\$204,771	\$16,977	\$268,803	\$92,313	\$176,490	3.71%	4.50%	17.30%	21.47%	26.02%
Escambia	1.36	0.937	\$6,954	\$2,084,577	\$73,331	\$67,739	\$5,592	\$85,485	\$27,356	\$58,129	3.52%	4.10%	10.55%	33.36%	38.89%
Flagler	1.66	0.984	\$8,904	\$893,129	\$28,571	\$26,499	\$2,072	\$31,693	\$10,150	\$21,542	3.20%	3.55%	43.41%	7.37%	8.17%
Franklin	1.44	0.967	\$7,563	\$88,221	\$3,268	\$3,018	\$250	\$3,743	\$1,140	\$2,603	3.70%	4.24%	12.47%	29.71%	34.03%
Gadsden	1.35	0.947	\$6,985	\$327,562	\$18,202	\$16,909	\$1,293	\$18,299	\$4,857	\$13,442	5.56%	5.59%	17.45%	31.84%	32.01%
Gilchrist	1.45	1.029	\$8,099	\$138,179	\$5,845	\$5,418	\$427	\$6,348	\$1,910	\$4,438	4.23%	4.59%	24.62%	17.18%	18.66%
Glades	1.54	0.992	\$8,310	\$105,556	\$4,987	\$4,607	\$380	\$5,696	\$1,750	\$3,945	4.72%	5.40%	11.44%	41.30%	47.17%
Gulf	1.43	0.938	\$7,308	\$116,718	\$3,819	\$3,538	\$281	\$4,395	\$1,470	\$2,925	3.27%	3.77%	17.50%	18.70%	21.52%
Hamilton	1.31	0.979	\$7,013	\$104,723	\$3,805	\$3,527	\$278	\$4,118	\$1,228	\$2,890	3.63%	3.93%	18.12%	20.05%	21.70%
Hardee	1.23	0.906	\$6,084	\$169,419	\$14,574	\$13,496	\$1,079	\$15,025	\$3,813	\$11,212	8.60%	8.87%	6.97%	123.41%	127.22%
Hendry	1.22	0.990	\$6,597	\$249,489	\$22,470	\$20,797	\$1,673	\$23,842	\$6,455	\$17,388	9.01%	9.56%	11.81%	76.26%	80.92%
Hernando	1.70	0.972	\$9,016	\$1,582,334	\$43,176	\$39,685	\$3,491	\$54,494	\$18,199	\$36,294	2.73%	3.44%	25.63%	10.65%	13.44%
Highlands	1.87	0.951	\$9,684	\$965,523	\$31,814	\$29,388	\$2,426	\$37,019	\$11,798	\$25,221	3.30%	3.83%	16.32%	20.19%	23.49%
Hillsborough	1.28	0.990	\$6,876	\$8,792,166	\$360,856	\$333,099	\$27,757	\$437,060	\$148,501	\$288,559	4.10%	4.97%	25.14%	16.32%	19.77%
Holmes	1.44	0.876	\$6,862	\$137,627	\$5,706	\$5,290	\$417	\$6,164	\$1,832	\$4,332	4.15%	4.48%	12.55%	33.05%	35.70%
Indian River	1.77	0.997	\$9,597	\$1,355,773	\$42,805	\$39,504	\$3,301	\$51,513	\$17,194	\$34,318	3.16%	3.80%	23.19%	13.61%	16.38%
Jackson	1.40	0.901	\$6,861	\$341,276	\$9,971	\$9,236	\$734	\$11,557	\$3,923	\$7,633	2.92%	3.39%	12.14%	24.06%	27.88%
Jefferson	1.49	0.955	\$7,753	\$111,950	\$3,697	\$3,426	\$272	\$4,114	\$1,289	\$2,826	3.30%	3.68%	18.98%	17.40%	19.36%
Lafayette	1.24	0.998	\$6,751	\$58,679	\$3,242	\$3,006	\$236	\$3,474	\$1,019	\$2,455	5.53%	5.92%	18.72%	29.52%	31.64%
Lake	1.64	0.968	\$8,630	\$2,634,717	\$72,408	\$66,784	\$5,624	\$89,690	\$31,225	\$58,464	2.75%	3.40%	33.19%	8.28%	10.26%

Lee	1.62	1.013	\$8,949	\$5,866,517	\$211,610	\$195,664	\$15,946	\$253,798	\$88,028	\$165,770	3.61%	4.33%	33.00%	10.93%	13.11%
Leon	1.17	0.966	\$6,180	\$1,730,641	\$85,663	\$79,610	\$6,053	\$85,160	\$22,236	\$62,925	4.95%	4.92%	16.41%	30.15%	29.98%
Levy	1.54	1.020	\$8,551	\$346,201	\$15,733	\$14,589	\$1,144	\$16,843	\$4,946	\$11,898	4.54%	4.87%	20.00%	22.72%	24.32%
Liberty	1.21	0.905	\$5,964	\$52,566	\$2,379	\$2,208	\$172	\$2,485	\$699	\$1,786	4.53%	4.73%	16.79%	26.96%	28.16%
Madison	1.41	0.828	\$6,362	\$122,013	\$5,221	\$4,838	\$383	\$5,763	\$1,779	\$3,984	4.28%	4.72%	11.76%	36.39%	40.17%
Manatee	1.64	0.981	\$8,742	\$2,935,626	\$99,877	\$92,169	\$7,708	\$118,543	\$38,411	\$80,132	3.40%	4.04%	26.91%	12.64%	15.01%
Marion	1.70	0.959	\$8,879	\$3,001,034	\$103,605	\$95,936	\$7,669	\$115,862	\$36,139	\$79,723	3.45%	3.86%	26.48%	13.04%	14.58%
Martin	1.79	1.012	\$9,859	\$1,465,372	\$35,778	\$32,972	\$2,805	\$44,380	\$15,217	\$29,163	2.44%	3.03%	18.27%	13.37%	16.58%
Miami-Dade	1.35	1.078	\$7,934	\$20,494,612	\$1,258,016	\$1,164,410	\$93,606	\$1,456,643	\$483,535	\$973,108	6.14%	7.11%	20.26%	30.30%	35.08%
Monroe	1.55	1.102	\$9,287	\$676,391	\$24,013	\$22,208	\$1,804	\$29,715	\$10,960	\$18,755	3.55%	4.39%	19.24%	18.45%	22.84%
Nassau	1.47	0.989	\$7,901	\$590,508	\$14,671	\$13,558	\$1,113	\$18,184	\$6,618	\$11,566	2.48%	3.08%	36.03%	6.90%	8.55%
Okaloosa	1.35	0.948	\$6,986	\$1,332,823	\$46,095	\$42,640	\$3,455	\$55,757	\$19,839	\$35,918	3.46%	4.18%	14.00%	24.70%	29.88%
Okeechobee	1.39	0.991	\$7,513	\$300,170	\$16,529	\$15,265	\$1,264	\$18,437	\$5,297	\$13,140	5.51%	6.14%	11.65%	47.27%	52.72%
Orange	1.20	0.992	\$6,467	\$7,763,096	\$443,198	\$409,294	\$33,904	\$520,235	\$167,780	\$352,455	5.71%	6.70%	27.26%	20.94%	24.58%
Osceola	1.24	0.971	\$6,570	\$1,909,674	\$126,867	\$117,238	\$9,629	\$147,242	\$47,138	\$100,104	6.64%	7.71%	45.59%	14.57%	16.91%
Palm Beach	1.59	1.041	\$9,029	\$12,190,249	\$416,437	\$385,058	\$31,379	\$497,275	\$171,060	\$326,214	3.42%	4.08%	18.18%	18.79%	22.43%
Pasco	1.55	0.972	\$8,222	\$3,917,096	\$117,775	\$108,635	\$9,139	\$145,126	\$50,113	\$95,013	3.01%	3.70%	26.36%	11.41%	14.05%
Pinellas	1.63	0.982	\$8,734	\$8,039,620	\$225,702	\$208,401	\$17,301	\$276,543	\$96,680	\$179,863	2.81%	3.44%	10.83%	25.93%	31.77%
Polk	1.45	0.958	\$7,577	\$4,661,356	\$202,530	\$187,249	\$15,281	\$236,085	\$77,228	\$158,858	4.34%	5.06%	27.52%	15.79%	18.40%
Putnam	1.51	0.994	\$8,183	\$595,527	\$30,343	\$28,213	\$2,130	\$30,335	\$8,194	\$22,141	5.10%	5.09%	8.94%	56.99%	56.97%
Saint Johns	1.44	0.997	\$7,801	\$1,576,246	\$35,296	\$32,642	\$2,654	\$43,367	\$15,778	\$27,589	2.24%	2.75%	43.93%	5.10%	6.26%
Saint Lucie	1.52	1.011	\$8,383	\$2,393,472	\$95,932	\$88,814	\$7,118	\$110,098	\$36,100	\$73,998	4.01%	4.60%	29.42%	13.62%	15.63%
Santa Rosa	1.31	0.933	\$6,664	\$1,047,172	\$39,175	\$36,444	\$2,731	\$43,526	\$15,139	\$28,387	3.74%	4.16%	28.45%	13.15%	14.61%
Sarasota	1.90	0.986	\$10,209	\$3,957,369	\$86,590	\$79,833	\$6,757	\$107,450	\$37,208	\$70,243	2.19%	2.72%	18.00%	12.16%	15.09%
Seminole	1.32	0.989	\$7,085	\$3,064,995	\$95,536	\$87,857	\$7,679	\$124,834	\$45,001	\$79,833	3.12%	4.07%	19.07%	16.35%	21.36%
Sumter	2.20	0.982	\$11,745	\$1,228,520	\$13,415	\$12,394	\$1,020	\$15,084	\$4,477	\$10,607	1.09%	1.23%	70.36%	1.55%	1.75%
Suwannee	1.47	0.987	\$7,900	\$349,283	\$14,415	\$13,315	\$1,100	\$16,205	\$4,768	\$11,437	4.13%	4.64%	19.76%	20.89%	23.48%
Taylor	1.41	0.968	\$7,420	\$171,953	\$5,231	\$4,846	\$385	\$5,882	\$1,878	\$4,003	3.04%	3.42%	14.84%	20.50%	23.05%
Union	1.24	1.043	\$7,066	\$110,401	\$2,611	\$2,411	\$200	\$2,981	\$902	\$2,079	2.37%	2.70%	16.28%	14.53%	16.59%
Volusia	1.60	0.972	\$8,454	\$4,229,795	\$146,146	\$135,123	\$11,023	\$172,878	\$58,279	\$114,598	3.46%	4.09%	16.33%	21.15%	25.02%
Wakulla	1.27	0.968	\$6,682	\$207,477	\$6,535	\$6,054	\$481	\$7,603	\$2,602	\$5,001	3.15%	3.66%	24.50%	12.85%	14.96%
Walton	1.43	0.936	\$7,287	\$427,248	\$18,379	\$17,025	\$1,354	\$21,049	\$6,969	\$14,079	4.30%	4.93%	37.68%	11.42%	13.07%
Washington	1.38	0.889	\$6,696	\$168,984	\$6,482	\$6,008	\$474	\$7,018	\$2,095	\$4,924	3.84%	4.15%	13.06%	29.36%	31.79%
Notes	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[E]	[F]	[G]	[H]		[I]		[J]

Notes

[A] All figures are weighted averages calculated by authors in [S1].

[B] All figures are calculated by authors using Dartmouth Atlas compilations by county [S6] and state [S7] of Age, Sex and Race-Adjusted Medicare Spending per Enrollee (ASR Medicare Costs) and Price, Age, Sex and Race-Adjusted Medicare Spending per Enrollee (PASR Medicare Costs): Index = [(County ASR Medicare Costs)/(State ASR Medicare Costs)] / [(County PASR Medicare Costs)/(State PASR Medicare Costs)].

[C] Figures for Florida estimated from personal health spending per capita in FL in 2009 [P1] inflated to 2013 using the national increase in personal health spending per capita from 2009-2013 [P2]. All county figures are calculated by authors: (Health Spending Per Capita, FL) x (County Health Spending Index)/(FL Health Spending Index).

[D] All figures are calculated by authors using population figures reported in [S1] and health spending per capita figures in adjacent column. The figure for Florida is a summed total.

[E] All figures are calculated by summing adjacent columns.

[F] All figures are reported in [S2].

[G] All figures are reported in [S3].

[H] All figures are calculated from estimated increase in federal spending due to ACA divided by total health spending.		
[I] All figures are reported in [S1].		
[J] All figures are calculated by authors by dividing percentage increase in health spending due to federal ACA spending by the demand increase due to demographic changes.		
Parameters		
[P1]	\$ 7,156	Per capita personal health spending in FL, 2009 [S4].
[P2]	11.11%	Per capita percent increase in personal health spending in US, 2009 to 2013 [S5].
Sources		
[S1] Unruh, L. & Rutherford, A. Table B-1. Estimated Change in Health Expenditures Due to Population Growth & Aging from 2013 to 2025. University of Central Florida, Florida Center for Nursing.		
[S2] Unruh, L. & Rutherford, A. Table B-2. Estimated Increase in Federal Health Expenditures Due to Federal Exchange Subsidies, by County. University of Central Florida, Florida Center for Nursing.		
[S3] Unruh, L. & Rutherford, A. Table B-3. Estimated Increase in Federal Health Expenditures Due to Medicaid Expansion, by County. University of Central Florida, Florida Center for Nursing.		
[S4] CMS. (2014a) <i>Total All Payers Per Capita State Estimates by State of Residence - Personal Health Care (Dollars)</i> . Available at: http://www.cms.gov/Research-Statistics-Dataand-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/Downloads/res-tables.pdf		
[S5] CMS (2014b). <i>National Health Expenditure Data</i> . Available at: https://www.cms.gov/Research-Statistics-Data-and-systems/Statistics-Trends-and-reports/NationalHealthExpendData/index.html		
[S6] The Dartmouth Atlas of Health Care. <i>Selected Medicare Reimbursement Claims-based: Price, Age, Sex and Race-adjusted, County Level, 2010</i> . Available at: http://www.dartmouthatlas.org/downloads/tables/pa_reimb_county_2010.xls		
[S7] The Dartmouth Atlas of Health Care. <i>Selected Medicare Reimbursement Claims-based: Price, Age, Sex and Race-adjusted, State Level, 2010</i> . Available at: http://www.dartmouthatlas.org/downloads/tables/pa_reimb_state_2010.xls		

Appendix C: Estimated ARNP Supply Under Less Restrictive Regulation

In Appendix C state and county-level data are provided on the current supply and economic activity of ARNPs, and the projected increases in ARNP supply under less restrictive regulations. Table C-1 shows the total number of four types of ARNPs (NPs, CRNAs, CNMs and CNSs) practicing in 2013. Tables C-2 and C-3 present the average compensation received by each of these types of ARNPs, including salary, social security, and other benefits. Table C-4 gives gross compensation of ARNPs obtained by multiplying the average compensation by the estimated full-time equivalent ARNPs in each category.

Tables C-5 and C-6 provide information on the activity of ARNPs in Florida. Table C-5 shows the practice expenses of the four types of ARNPs based on their practice specialty and the size of the Metropolitan area. Using these calculations, Table C-6 then gives the estimated practice expenditures of ARNPs.

Table C-7 shows how ARNP supply in Florida may increase under less restrictive regulations. This is calculated using expenditures on ARNPs just for compensation, and also for compensation plus practice expenses. The increases in demand calculated in section B are replicated in the table and then the percentage of the supply increase that will be met by the demand increase under different demand and supply scenarios is calculated. Table C-8 shows how the ARNP supply increases may impact the supply of physician and the physician shortage by the year 2025 for the physician practices that parallel the ARNP practices.

Table C-1. Active Advanced RNs by County, 2013

COUNTY	NURSE PRACTICIONERS						CERTIFIED NURSE MIDWIVES		CERTIFIED REGISTERED NURSE ANESTHETISTS		CLINICAL NURSE SPECIALISTS			
	Total Active	FTE Active	Primary Care	Hospital Emergency Department	All Other Hospital-Based	Long Term Care	Total Active	FTE Active	Total Active	FTE Active	Total Active	FTE Active	Home Care	Non-Home Care
Florida	15,266	13,530.18	6,276	3,917	385	1,243	537	794.12	3,014	2,915.30	114	102.98	2	112
Alachua	602	525.95	251	205	6	57	30	29.53	49	49.03	3	2.25	-	3
Baker	12	9.50	10	1	-	1	-	-	-	-	-	-	-	-
Bay	164	145.03	59	19	7	8	6	1.65	65	58.28	-	-	-	-
Bradford	8	8.30	5	2	-	-	-	-	1	0.80	-	-	-	-
Brevard	389	332.48	186	60	14	46	13	16.73	69	62.98	1	1.00	-	1
Broward	1,214	1,047.13	448	335	28	112	56	124.98	228	220.73	6	4.25	-	6
Calhoun	8	7.65	5	1	-	1	-	-	1	1.50	-	-	-	-
Charlotte	114	106.40	58	11	7	5	3	3.08	29	29.73	1	0.88	1	-
Citrus	76	66.50	41	10	2	9	1	1.83	13	13.00	-	-	-	-
Clay	114	94.45	51	13	1	17	11	8.80	21	22.33	-	-	-	-
Collier	240	198.95	84	35	7	26	3	3.88	80	67.25	5	4.65	-	5
Columbia	71	70.20	41	18	3	4	1	1.50	4	2.95	-	-	-	-
DeSoto	16	16.55	9	2	-	-	-	-	5	5.83	-	-	-	-
Dixie	2	2.25	2	-	-	-	-	-	-	-	-	-	-	-
Duval	924	864.03	369	277	17	57	34	43.60	163	158.18	6	5.03	-	6
Escambia	315	303.53	111	65	15	9	10	9.80	105	102.65	-	-	-	-
Flagler	40	34.05	20	4	1	4	-	-	11	10.38	-	-	-	-
Franklin	5	4.75	4	-	-	-	-	-	1	0.75	-	-	-	-
Gadsden	25	20.40	10	9	1	4	-	-	-	-	1	1.00	-	1
Gilchrist	6	6.38	6	-	-	-	-	-	-	-	-	-	-	-
Glades	2	2.00	2	2	-	-	-	-	-	-	-	-	-	-
Gulf	11	11.88	8	2	1	-	-	-	-	0.90	-	-	-	-
Hamilton	3	1.95	2	-	-	1	-	-	-	-	-	-	-	-
Hardee	5	5.35	5	-	-	-	-	-	-	-	-	-	-	-
Hendry	12	12.50	11	-	-	-	-	-	1	1.25	-	-	-	-
Hernando	99	90.83	42	19	2	8	8	10.03	20	18.75	-	-	-	-

Highlands	53	55.00	23	7	5	1	-	2.00	16	16.30	1	1.13	-	1
Hillsborough	1,466	1,337.98	561	419	36	118	33	51.95	289	292.05	10	9.95	-	10
Holmes	8	6.43	5	2	-	-	1	-	-	-	-	-	-	-
Indian River	84	69.68	38	22	2	5	4	4.40	12	11.63	1	0.90	-	1
Jackson	57	48.23	36	6	-	7	-	-	8	7.43	-	-	-	-
Jefferson	3	2.63	2	1	-	-	-	-	-	-	-	-	-	-
Lafayette	3	3.00	3	-	-	-	-	-	-	-	-	-	-	-
Lake	181	154.73	79	28	9	17	5	11.50	40	37.25	3	3.15	-	3
Lee	511	435.70	198	77	15	48	31	38.90	136	120.70	6	4.73	-	6
Leon	350	301.50	176	54	5	32	20	20.73	57	57.40	6	5.75	-	6
Levy	14	15.03	12	-	1	-	-	-	1	1.75	-	-	-	-
Liberty	3	3.20	2	-	-	-	1	1.00	-	-	-	-	-	-
Madison	9	10.05	7	2	-	-	-	-	-	1.00	-	-	-	-
Manatee	201	167.20	89	27	5	21	2	4.40	57	52.05	-	-	-	-
Marion	245	222.45	109	42	12	17	14	11.60	51	48.03	-	-	-	-
Martin	145	118.63	69	11	-	18	12	15.28	33	32.08	2	0.60	-	2
Miami-Dade	1,095	1,792.58	667	750	21	113	39	98.95	311	326.93	4	4.38	-	4
Monroe	41	33.58	25	9	-	2	2	2.50	3	2.15	-	-	-	-
Nassau	37	24.58	14	4	1	7	2	1.60	8	4.98	1	-	-	1
Okaloosa	121	106.05	58	10	2	8	6	6.98	37	32.25	-	-	-	-
Okeechobee	16	15.35	14	1	-	-	-	-	1	1.13	-	-	-	-
Orange	1,170	1,020.35	436	338	26	80	34	54.00	223	231.25	33	33.50	-	33
Osceola	120	109.73	53	30	3	6	4	9.33	22	22.63	2	1.23	-	2
Palm Beach	1,036	912.65	464	208	29	77	33	51.25	224	214.75	1	-	-	1
Pasco	273	240.38	146	42	7	21	6	15.80	49	47.10	2	-	-	2
Pinellas	995	876.25	366	252	42	75	45	54.55	209	196.53	5	4.50	1	4
Polk	347	305.08	167	75	11	27	8	15.58	55	47.88	4	4.18	-	4
Putnam	22	19.98	13	1	1	1	2	1.60	4	4.73	-	-	-	-
Saint Johns	140	103.98	53	19	2	27	8	7.65	30	27.18	1	1.00	-	1
Saint Lucie	173	156.28	73	43	6	14	12	16.13	25	25.00	-	-	-	-
Santa Rosa	94	72.50	40	10	2	15	-	-	25	20.33	2	1.13	-	2
Sarasota	338	276.08	115	57	13	33	11	8.38	107	95.43	2	2.33	-	2
Seminole	241	203.75	123	241	8	23	10	19.35	38	39.70	3	3.00	-	3
Sumter	34	27.13	22	2	2	5	1	-	2	1.15	-	-	-	-
Suwannee	9	6.90	5	-	-	1	2	1.15	1	-	-	-	-	-
Taylor	13	14.88	10	-	-	-	1	1.00	2	2.75	-	-	-	-
Union	6	6.40	4	2	-	-	-	-	-	-	-	-	-	-
Volusia	260	210.88	114	32	7	32	10	11.23	63	55.73	2	2.50	-	2

Wakulla	13	10.55	12	-	-	1	-	-	-	-	-	-	-
Walton	28	21.93	14	2	-	3	-	-	9	10.00	-	-	-
Washington	24	22.08	19	1	-	19	2	-	-	0.90	-	-	-
Notes	[A]		[B]	[C]	[D]	[E]	[A]	[F]	[G]	[F]	[H]	[I]	[J]

Notes

[A] Figures include those who are licensed and active within the profession as well as those with unknown activity status; in-actives are excluded. All figures are reported in [S1].

[B] Includes all active practitioners in primary care practice settings.

[C] Includes all active practitioners in hospital emergency room practice settings.

[D] Includes all active practitioners in other hospital area practice settings.

[E] Includes all active practitioners in long-term care practice settings.

[F] Figures are tabulations by authors using Florida Center for Nursing data to calculate FTEs & the total number of active personnel.

[G] All figures calculated by authors using 40 hours to define full-time nurse anesthetists.

[H] All figures calculated by authors using 40 hours to define full-time nursing specialists.

[I] Includes all active practitioners in home care practice settings.

[J] Includes all active practitioners except those in home care practice settings.

Sources

[S1] Florida Center for Nursing 2013 data from the Florida Board of Nursing's licensure database.

Table C-2. Nurse Practitioner Compensation by County, July 2014

COUNTY	PRIMARY CARE			HOSPITAL EMERGENCY DEPARTMENT			ALL OTHER HOSPITAL-BASED			LONG TERM CARE		
	Salary + Bonus	Social Security	All Other Benefits	Salary + Bonus	Social Security	All Other Benefits	Salary + Bonus	Social Security	All Other Benefits	Salary + Bonus	Social Security	All Other Benefits
Alachua	\$ 90,204	\$ 6,901	\$ 34,337	\$ 93,677	\$ 7,166	\$ 35,405	\$ 92,649	\$ 7,088	\$ 35,088	\$ 70,228	\$ 5,372	\$ 28,192
Baker	\$ 89,730	\$ 6,864	\$ 34,190	\$ 93,184	\$ 7,129	\$ 35,253	\$ 92,162	\$ 7,050	\$ 34,938	\$ 69,859	\$ 5,344	\$ 28,079
Bay	\$ 82,595	\$ 6,318	\$ 31,996	\$ 85,774	\$ 6,562	\$ 32,973	\$ 84,833	\$ 6,490	\$ 32,685	\$ 64,304	\$ 4,919	\$ 26,370
Bradford	\$ 90,204	\$ 6,901	\$ 34,337	\$ 93,677	\$ 7,166	\$ 35,405	\$ 92,649	\$ 7,088	\$ 35,088	\$ 70,228	\$ 5,372	\$ 28,192
Brevard	\$ 89,440	\$ 6,842	\$ 34,102	\$ 93,845	\$ 7,179	\$ 35,456	\$ 92,816	\$ 7,100	\$ 35,140	\$ 70,355	\$ 5,382	\$ 28,321
Broward	\$ 95,866	\$ 7,334	\$ 36,078	\$ 99,557	\$ 7,616	\$ 37,213	\$ 98,465	\$ 7,533	\$ 36,877	\$ 74,637	\$ 5,710	\$ 29,548
Calhoun	\$ 81,131	\$ 6,207	\$ 31,546	\$ 84,254	\$ 6,445	\$ 32,507	\$ 83,330	\$ 6,375	\$ 32,222	\$ 63,164	\$ 4,832	\$ 26,020
Charlotte	\$ 88,905	\$ 6,801	\$ 33,937	\$ 92,327	\$ 7,063	\$ 34,990	\$ 91,314	\$ 6,986	\$ 34,678	\$ 69,217	\$ 5,295	\$ 27,881
Citrus	\$ 89,517	\$ 6,848	\$ 34,126	\$ 92,985	\$ 7,113	\$ 35,191	\$ 91,964	\$ 7,035	\$ 34,877	\$ 69,709	\$ 5,333	\$ 28,033
Clay	\$ 94,104	\$ 7,199	\$ 35,535	\$ 97,727	\$ 7,476	\$ 36,650	\$ 96,655	\$ 7,394	\$ 36,321	\$ 73,265	\$ 5,605	\$ 29,126
Collier	\$ 88,406	\$ 6,763	\$ 33,783	\$ 91,809	\$ 7,023	\$ 34,831	\$ 90,802	\$ 6,946	\$ 34,520	\$ 68,828	\$ 5,265	\$ 27,762
Columbia	\$ 88,716	\$ 6,787	\$ 33,878	\$ 92,132	\$ 7,048	\$ 34,929	\$ 91,121	\$ 6,971	\$ 34,618	\$ 69,070	\$ 5,284	\$ 27,836
DeSoto	\$ 89,376	\$ 6,837	\$ 34,081	\$ 92,817	\$ 7,100	\$ 35,140	\$ 91,798	\$ 7,023	\$ 34,827	\$ 69,583	\$ 5,323	\$ 27,994
Dixie	\$ 87,149	\$ 6,667	\$ 33,396	\$ 90,504	\$ 6,924	\$ 34,429	\$ 89,510	\$ 6,848	\$ 34,123	\$ 67,849	\$ 5,190	\$ 27,461
Duval	\$ 94,104	\$ 7,199	\$ 35,535	\$ 97,727	\$ 7,476	\$ 36,650	\$ 96,655	\$ 7,394	\$ 36,321	\$ 73,265	\$ 5,605	\$ 29,126
Escambia	\$ 89,688	\$ 6,861	\$ 34,178	\$ 93,141	\$ 7,125	\$ 35,240	\$ 92,119	\$ 7,047	\$ 34,925	\$ 69,827	\$ 5,342	\$ 28,068
Flagler	\$ 89,793	\$ 6,869	\$ 34,220	\$ 94,181	\$ 7,205	\$ 35,560	\$ 93,148	\$ 7,126	\$ 35,241	\$ 70,606	\$ 5,401	\$ 28,309
Franklin	\$ 89,579	\$ 6,623	\$ 33,222	\$ 89,912	\$ 6,878	\$ 34,247	\$ 88,926	\$ 6,803	\$ 33,943	\$ 67,406	\$ 5,157	\$ 27,324
Gadsden	\$ 89,946	\$ 6,881	\$ 34,257	\$ 93,409	\$ 7,146	\$ 35,322	\$ 92,384	\$ 7,067	\$ 35,008	\$ 70,027	\$ 5,357	\$ 28,131
Gilchrist	\$ 89,962	\$ 6,882	\$ 34,262	\$ 93,425	\$ 7,147	\$ 35,327	\$ 92,400	\$ 7,069	\$ 35,012	\$ 70,040	\$ 5,358	\$ 28,134
Glades	\$ 89,373	\$ 6,837	\$ 34,081	\$ 92,814	\$ 7,100	\$ 35,139	\$ 91,795	\$ 7,022	\$ 34,826	\$ 69,581	\$ 5,323	\$ 27,993
Gulf	\$ 81,074	\$ 6,202	\$ 31,529	\$ 84,196	\$ 6,441	\$ 32,488	\$ 83,272	\$ 6,370	\$ 32,204	\$ 63,120	\$ 4,829	\$ 26,006
Hamilton	\$ 87,561	\$ 6,698	\$ 33,523	\$ 90,932	\$ 6,956	\$ 34,560	\$ 89,934	\$ 6,880	\$ 34,253	\$ 68,170	\$ 5,215	\$ 27,560
Hardee	\$ 89,422	\$ 6,841	\$ 34,096	\$ 92,865	\$ 7,104	\$ 35,425	\$ 91,846	\$ 7,026	\$ 34,841	\$ 69,620	\$ 5,326	\$ 28,005
Hendry	\$ 89,624	\$ 6,856	\$ 34,158	\$ 93,074	\$ 7,120	\$ 35,219	\$ 92,053	\$ 7,042	\$ 34,905	\$ 69,776	\$ 5,338	\$ 28,054
Hernando	\$ 89,529	\$ 6,849	\$ 34,129	\$ 92,975	\$ 7,113	\$ 35,188	\$ 91,955	\$ 7,035	\$ 34,874	\$ 69,702	\$ 5,332	\$ 28,031
Highlands	\$ 88,610	\$ 6,779	\$ 33,845	\$ 92,022	\$ 7,040	\$ 34,896	\$ 91,012	\$ 6,962	\$ 34,585	\$ 68,987	\$ 5,278	\$ 27,811
Hillsborough	\$ 95,259	\$ 7,287	\$ 35,891	\$ 98,926	\$ 7,568	\$ 37,019	\$ 97,840	\$ 7,485	\$ 36,684	\$ 74,163	\$ 5,673	\$ 29,403
Holmes	\$ 84,616	\$ 6,473	\$ 32,617	\$ 87,873	\$ 6,722	\$ 33,619	\$ 86,909	\$ 6,649	\$ 33,323	\$ 65,877	\$ 5,040	\$ 26,854
Indian River	\$ 90,289	\$ 6,907	\$ 34,363	\$ 93,765	\$ 7,173	\$ 35,431	\$ 92,736	\$ 7,094	\$ 35,115	\$ 70,294	\$ 5,378	\$ 28,213
Jackson	\$ 82,053	\$ 6,277	\$ 31,830	\$ 85,212	\$ 6,519	\$ 32,801	\$ 84,277	\$ 6,447	\$ 32,513	\$ 63,882	\$ 4,887	\$ 26,241
Jefferson	\$ 89,946	\$ 6,881	\$ 34,257	\$ 93,409	\$ 7,146	\$ 35,322	\$ 92,384	\$ 7,067	\$ 35,008	\$ 70,027	\$ 5,357	\$ 28,131

Lafayette	\$ 88,074	\$ 6,738	\$ 33,681	\$ 91,464	\$ 6,997	\$ 34,724	\$ 90,461	\$ 6,920	\$ 34,416	\$ 68,570	\$ 5,246	\$ 27,682
Lake	\$ 89,646	\$ 6,858	\$ 34,164	\$ 93,097	\$ 7,122	\$ 35,226	\$ 92,075	\$ 7,044	\$ 34,912	\$ 69,793	\$ 5,339	\$ 28,059
Lee	\$ 88,905	\$ 6,801	\$ 33,937	\$ 92,327	\$ 7,063	\$ 34,990	\$ 91,314	\$ 6,986	\$ 34,678	\$ 69,217	\$ 5,295	\$ 27,881
Leon	\$ 89,946	\$ 6,881	\$ 34,257	\$ 93,409	\$ 7,146	\$ 35,322	\$ 92,384	\$ 7,067	\$ 35,008	\$ 70,027	\$ 5,357	\$ 28,131
Levy	\$ 90,204	\$ 6,901	\$ 34,337	\$ 93,677	\$ 7,166	\$ 35,405	\$ 92,649	\$ 7,088	\$ 35,088	\$ 70,228	\$ 5,372	\$ 28,192
Liberty	\$ 81,090	\$ 6,203	\$ 31,533	\$ 84,212	\$ 6,442	\$ 32,493	\$ 83,288	\$ 6,372	\$ 32,209	\$ 63,133	\$ 4,830	\$ 26,009
Madison	\$ 83,757	\$ 6,407	\$ 32,354	\$ 86,981	\$ 6,654	\$ 33,346	\$ 86,027	\$ 6,581	\$ 33,051	\$ 65,209	\$ 4,988	\$ 26,648
Manatee	\$ 90,333	\$ 6,910	\$ 34,376	\$ 93,810	\$ 7,177	\$ 35,445	\$ 92,781	\$ 7,098	\$ 35,129	\$ 70,328	\$ 5,380	\$ 28,223
Marion	\$ 90,016	\$ 6,886	\$ 34,278	\$ 93,482	\$ 7,151	\$ 35,344	\$ 92,456	\$ 7,073	\$ 35,028	\$ 70,082	\$ 5,361	\$ 28,147
Martin	\$ 90,818	\$ 6,948	\$ 34,526	\$ 94,314	\$ 7,215	\$ 35,601	\$ 93,279	\$ 7,136	\$ 35,282	\$ 70,706	\$ 5,409	\$ 28,339
Miami-Dade	\$ 95,827	\$ 7,331	\$ 36,065	\$ 99,516	\$ 7,613	\$ 37,200	\$ 98,424	\$ 7,529	\$ 36,864	\$ 74,606	\$ 5,707	\$ 29,538
Monroe	\$ 90,670	\$ 6,936	\$ 34,480	\$ 94,161	\$ 7,203	\$ 35,553	\$ 93,127	\$ 7,124	\$ 35,428	\$ 70,591	\$ 5,400	\$ 28,304
Nassau	\$ 90,148	\$ 6,896	\$ 34,320	\$ 93,619	\$ 7,162	\$ 35,387	\$ 92,592	\$ 7,083	\$ 35,070	\$ 70,185	\$ 5,369	\$ 28,179
Okaloosa	\$ 82,306	\$ 6,296	\$ 31,907	\$ 85,475	\$ 6,539	\$ 32,881	\$ 84,537	\$ 6,467	\$ 32,593	\$ 64,079	\$ 4,902	\$ 26,301
Okeechobee	\$ 89,155	\$ 6,820	\$ 34,014	\$ 92,587	\$ 7,083	\$ 35,069	\$ 91,571	\$ 7,005	\$ 34,757	\$ 69,411	\$ 5,310	\$ 27,941
Orange	\$ 94,165	\$ 7,204	\$ 35,554	\$ 97,790	\$ 7,481	\$ 36,669	\$ 96,717	\$ 7,399	\$ 36,340	\$ 73,312	\$ 5,608	\$ 29,140
Osceola	\$ 94,165	\$ 7,204	\$ 35,554	\$ 97,790	\$ 7,481	\$ 36,669	\$ 96,717	\$ 7,399	\$ 36,340	\$ 73,312	\$ 5,608	\$ 29,140
Palm Beach	\$ 95,866	\$ 7,334	\$ 36,078	\$ 99,557	\$ 7,616	\$ 37,213	\$ 98,465	\$ 7,533	\$ 36,877	\$ 74,637	\$ 5,710	\$ 29,548
Pasco	\$ 89,392	\$ 6,838	\$ 34,086	\$ 92,833	\$ 7,102	\$ 35,145	\$ 91,814	\$ 7,024	\$ 35,021	\$ 69,596	\$ 5,324	\$ 27,977
Pinellas	\$ 94,538	\$ 7,232	\$ 35,669	\$ 98,177	\$ 7,511	\$ 36,789	\$ 97,100	\$ 7,428	\$ 36,457	\$ 73,602	\$ 5,631	\$ 29,230
Polk	\$ 89,615	\$ 6,856	\$ 34,155	\$ 93,065	\$ 7,119	\$ 35,216	\$ 92,044	\$ 7,041	\$ 34,902	\$ 69,769	\$ 5,337	\$ 28,052
Putnam	\$ 90,119	\$ 6,894	\$ 34,311	\$ 93,588	\$ 7,159	\$ 35,377	\$ 92,561	\$ 7,081	\$ 35,061	\$ 70,162	\$ 5,367	\$ 28,171
Saint Johns	\$ 89,793	\$ 6,869	\$ 34,210	\$ 93,250	\$ 7,134	\$ 35,272	\$ 92,227	\$ 7,055	\$ 34,958	\$ 69,908	\$ 5,348	\$ 28,094
Saint Lucie	\$ 90,423	\$ 6,917	\$ 34,404	\$ 93,904	\$ 7,184	\$ 35,475	\$ 92,874	\$ 7,105	\$ 35,158	\$ 70,399	\$ 5,386	\$ 28,244
Santa Rosa	\$ 89,688	\$ 6,861	\$ 34,178	\$ 93,141	\$ 7,125	\$ 35,240	\$ 92,119	\$ 7,047	\$ 34,925	\$ 69,827	\$ 5,342	\$ 28,068
Sarasota	\$ 90,333	\$ 6,910	\$ 34,376	\$ 93,810	\$ 7,177	\$ 35,445	\$ 92,781	\$ 7,098	\$ 35,129	\$ 70,328	\$ 5,380	\$ 28,223
Seminole	\$ 94,165	\$ 7,204	\$ 35,554	\$ 97,790	\$ 7,481	\$ 36,669	\$ 96,717	\$ 7,399	\$ 36,340	\$ 73,312	\$ 5,608	\$ 29,140
Sumter	\$ 88,917	\$ 6,802	\$ 33,941	\$ 92,340	\$ 7,064	\$ 34,993	\$ 91,327	\$ 6,986	\$ 34,682	\$ 69,226	\$ 5,296	\$ 27,884
Suwannee	\$ 87,867	\$ 6,722	\$ 33,618	\$ 91,249	\$ 6,981	\$ 34,658	\$ 90,248	\$ 6,904	\$ 34,350	\$ 68,408	\$ 5,233	\$ 27,633
Taylor	\$ 87,324	\$ 6,680	\$ 33,450	\$ 90,686	\$ 6,937	\$ 34,484	\$ 89,691	\$ 6,861	\$ 37,178	\$ 67,986	\$ 5,201	\$ 27,502
Union	\$ 89,776	\$ 6,868	\$ 34,205	\$ 93,232	\$ 7,132	\$ 35,267	\$ 92,209	\$ 7,054	\$ 34,952	\$ 69,895	\$ 5,347	\$ 28,089
Volusia	\$ 90,690	\$ 6,938	\$ 34,486	\$ 94,181	\$ 7,205	\$ 35,560	\$ 93,148	\$ 7,126	\$ 35,241	\$ 70,606	\$ 5,401	\$ 28,309
Wakulla	\$ 89,946	\$ 6,881	\$ 34,257	\$ 93,409	\$ 7,146	\$ 35,322	\$ 92,384	\$ 7,067	\$ 35,008	\$ 70,027	\$ 5,357	\$ 28,131
Walton	\$ 82,574	\$ 6,317	\$ 31,989	\$ 85,753	\$ 6,560	\$ 32,967	\$ 84,812	\$ 6,488	\$ 32,678	\$ 64,288	\$ 4,918	\$ 26,365
Washington	\$ 81,804	\$ 6,258	\$ 31,753	\$ 84,954	\$ 6,499	\$ 32,721	\$ 84,021	\$ 6,428	\$ 32,435	\$ 63,689	\$ 4,872	\$ 26,180
Notes	[A]			[B]			[C]			[D]		

Note that Social security includes employee share of payroll taxes for Social Security (6.2% of the first \$117,000 of a worker's annual pay) and Medicare (1.45% of all wages with no upper limit) [S2]. County seats for each county were used as the major metropolitan area for Salary Wizard inputs.

Notes

[A] All figures are compensation estimates obtained from [S1] for the job title Nurse Practitioner.

[B] All figures are compensation estimates obtained from [S1] for the job title Nurse Practitioner - Emergency Room.

[C] All figures are compensation estimates obtained from [S1] for the job title Nurse Practitioner - Specialty Care.

[D] All figures are compensation estimates obtained from [S1] for the job title Nurse Practitioner - Nursing Home.

Sources

[S1] Salary.com. *Salary Wizard*. Available at <http://www1.salary.com/Healthcare-Nursing-Salaries.html>

[S2] Salary.com. *Compensation Glossary*. Available at: http://bayarea.salary.com/docs/salwizhtmls/swze_wizardhelp.asp#Glossary

**Table C-3. Certified Nurse Midwives, Certified Registered Nurse Anesthetist & Clinical Nurse Specialist
Compensation by County, July 2014**

COUNTY	CERTIFIED NURSE MIDWIVES			CERTIFIED REGISTERED NURSE ANESTHETIST			CLINICAL NURSE SPECIALISTS: HOME CARE			CLINICAL NURSE SPECIALISTS: ALL OTHERS		
	Salary + Bonus	Social Security	All Other Benefits	Salary + Bonus	Social Security	All Other Benefits	Salary + Bonus	Social Security	All Other Benefits	Salary + Bonus	Social Security	All Other Benefits
Alachua	\$90,890	\$6,953	\$34,547	\$153,594	\$9,574	\$51,658	\$63,072	\$4,825	\$25,992	\$88,456	\$6,767	\$33,799
Baker	\$90,413	\$6,917	\$34,400	\$152,787	\$9,562	\$51,460	\$62,741	\$4,800	\$25,889	\$87,991	\$6,731	\$33,655
Bay	\$83,223	\$6,367	\$32,189	\$140,637	\$9,386	\$48,984	\$57,752	\$4,418	\$24,355	\$80,994	\$6,196	\$31,503
Bradford	\$90,890	\$6,953	\$34,547	\$153,594	\$9,574	\$51,658	\$63,072	\$4,825	\$25,992	\$88,456	\$6,767	\$33,799
Brevard	\$91,054	\$6,966	\$34,598	\$153,871	\$9,578	\$51,725	\$63,186	\$4,834	\$26,026	\$88,615	\$6,779	\$33,848
Broward	\$96,596	\$7,390	\$36,302	\$163,236	\$9,714	\$54,025	\$67,032	\$5,128	\$27,209	\$94,008	\$7,192	\$35,835
Calhoun	\$81,748	\$6,254	\$31,735	\$138,145	\$9,350	\$47,864	\$56,728	\$4,340	\$24,040	\$79,559	\$6,086	\$31,602
Charlotte	\$89,581	\$6,853	\$34,144	\$151,382	\$9,542	\$51,114	\$62,164	\$4,756	\$25,712	\$87,182	\$6,669	\$33,406
Citrus	\$90,219	\$6,902	\$34,341	\$152,459	\$9,558	\$51,379	\$62,606	\$4,789	\$25,848	\$87,802	\$6,717	\$33,598
Clay	\$94,820	\$7,254	\$35,757	\$160,235	\$9,670	\$53,289	\$65,800	\$5,034	\$26,830	\$92,280	\$7,059	\$34,975
Collier	\$89,079	\$6,815	\$33,990	\$150,532	\$9,530	\$51,178	\$61,815	\$4,729	\$25,605	\$86,693	\$6,632	\$33,257
Columbia	\$89,392	\$6,838	\$34,087	\$151,061	\$9,537	\$51,036	\$62,032	\$4,745	\$25,372	\$86,997	\$6,655	\$33,350
DeSoto	\$90,056	\$6,889	\$34,290	\$152,184	\$9,554	\$51,311	\$62,493	\$4,781	\$25,814	\$87,644	\$6,705	\$33,548
Dixie	\$87,812	\$6,718	\$33,600	\$148,391	\$9,499	\$50,380	\$60,936	\$4,662	\$25,334	\$85,459	\$6,538	\$32,877
Duval	\$94,820	\$7,254	\$35,757	\$160,235	\$9,670	\$53,289	\$65,800	\$5,034	\$26,830	\$92,280	\$7,059	\$34,975
Escambia	\$90,371	\$6,913	\$34,387	\$152,716	\$9,561	\$51,442	\$62,712	\$4,797	\$25,880	\$87,950	\$6,728	\$33,643
Flagler	\$91,380	\$6,991	\$34,698	\$154,421	\$9,586	\$51,861	\$63,412	\$4,851	\$26,096	\$88,932	\$6,803	\$33,945
Franklin	\$87,238	\$6,674	\$33,424	\$147,422	\$9,485	\$50,142	\$60,538	\$4,631	\$25,212	\$84,901	\$6,495	\$32,706
Gadsden	\$90,631	\$6,933	\$34,468	\$153,155	\$9,568	\$51,550	\$62,892	\$4,811	\$25,936	\$88,203	\$6,748	\$33,721
Gilchrist	\$90,647	\$6,934	\$34,473	\$153,182	\$9,568	\$51,556	\$62,903	\$4,812	\$25,939	\$88,218	\$6,749	\$33,726
Glades	\$90,053	\$6,889	\$34,289	\$152,179	\$9,554	\$51,310	\$62,491	\$4,781	\$25,813	\$87,641	\$6,705	\$33,548
Gulf	\$81,691	\$6,249	\$31,717	\$138,049	\$9,349	\$47,840	\$56,689	\$4,337	\$24,028	\$79,503	\$6,082	\$31,045
Hamilton	\$88,227	\$6,749	\$33,729	\$149,094	\$9,509	\$50,552	\$61,224	\$4,684	\$25,423	\$85,864	\$6,569	\$33,001
Hardee	\$90,103	\$6,893	\$34,305	\$152,263	\$9,555	\$51,331	\$62,526	\$4,783	\$25,823	\$87,689	\$6,708	\$33,563
Hendry	\$90,306	\$6,908	\$34,367	\$152,606	\$9,560	\$51,415	\$62,667	\$4,794	\$25,866	\$87,887	\$6,723	\$33,624
Hernando	\$90,210	\$6,901	\$34,338	\$152,444	\$9,557	\$51,375	\$62,600	\$4,789	\$25,846	\$87,793	\$6,716	\$33,595
Highlands	\$89,285	\$6,830	\$34,054	\$150,880	\$9,535	\$50,992	\$61,958	\$4,740	\$25,649	\$86,893	\$6,647	\$33,318
Hillsborough	\$95,984	\$7,343	\$36,114	\$162,201	\$9,699	\$53,722	\$66,607	\$5,095	\$27,078	\$93,412	\$7,146	\$35,323
Holmes	\$85,260	\$6,522	\$32,815	\$144,079	\$9,436	\$49,321	\$59,165	\$4,526	\$24,789	\$82,976	\$6,348	\$32,403
Indian River	\$90,976	\$6,960	\$34,574	\$153,739	\$9,576	\$51,693	\$63,132	\$4,830	\$26,010	\$88,539	\$6,773	\$33,824
Jackson	\$82,678	\$6,325	\$32,022	\$139,715	\$9,373	\$48,249	\$57,373	\$4,389	\$24,239	\$80,463	\$6,155	\$31,341
Jefferson	\$90,631	\$6,933	\$34,468	\$153,155	\$9,658	\$51,550	\$62,892	\$4,811	\$25,936	\$88,203	\$6,748	\$33,721
Lafayette	\$88,744	\$6,789	\$33,887	\$149,967	\$9,522	\$50,767	\$61,583	\$4,711	\$25,533	\$86,367	\$6,607	\$33,156
Lake	\$90,328	\$6,910	\$34,374	\$152,643	\$9,560	\$51,424	\$62,682	\$4,795	\$25,871	\$87,908	\$6,725	\$33,630

Lee	\$89,581	\$6,853	\$34,144	\$151,382	\$9,542	\$51,114	\$62,164	\$4,756	\$25,712	\$87,182	\$6,669	\$33,406
Leon	\$90,631	\$6,933	\$34,468	\$153,155	\$9,568	\$51,550	\$62,892	\$4,811	\$25,936	\$88,203	\$6,748	\$33,721
Levy	\$90,890	\$6,953	\$34,547	\$153,594	\$9,574	\$51,658	\$63,072	\$4,825	\$25,992	\$88,456	\$6,767	\$33,799
Liberty	\$81,707	\$6,251	\$31,722	\$138,076	\$9,349	\$47,847	\$56,700	\$4,338	\$24,031	\$79,519	\$6,083	\$31,049
Madison	\$84,394	\$6,456	\$32,550	\$142,616	\$9,415	\$48,962	\$58,565	\$4,480	\$24,604	\$82,134	\$6,283	\$31,855
Manatee	\$91,020	\$6,963	\$34,588	\$153,813	\$9,577	\$51,712	\$63,163	\$4,832	\$26,018	\$88,582	\$6,777	\$33,837
Marion	\$90,702	\$6,939	\$34,489	\$153,275	\$9,569	\$51,579	\$62,941	\$4,815	\$25,951	\$88,272	\$6,753	\$33,742
Martin	\$91,509	\$7,000	\$34,738	\$154,639	\$9,589	\$51,914	\$63,502	\$4,858	\$26,123	\$89,058	\$6,813	\$34,139
Miami-Dade	\$96,556	\$7,387	\$36,290	\$163,168	\$9,713	\$54,009	\$67,004	\$5,126	\$27,201	\$93,970	\$7,189	\$35,495
Monroe	\$91,360	\$6,989	\$34,692	\$154,388	\$9,586	\$51,853	\$63,398	\$4,850	\$26,092	\$88,913	\$6,802	\$33,940
Nassau	\$90,834	\$6,949	\$34,530	\$153,499	\$9,573	\$51,634	\$63,034	\$4,822	\$25,979	\$88,401	\$6,763	\$33,782
Okaloosa	\$82,933	\$6,344	\$32,099	\$140,146	\$9,379	\$48,355	\$57,550	\$4,403	\$24,293	\$80,711	\$6,174	\$31,416
Okeechobee	\$89,833	\$6,872	\$34,222	\$151,807	\$9,548	\$51,218	\$62,339	\$4,769	\$25,765	\$87,427	\$6,688	\$33,482
Orange	\$94,881	\$7,258	\$35,774	\$160,338	\$9,672	\$53,314	\$65,842	\$5,037	\$26,843	\$92,340	\$7,064	\$34,994
Osceola	\$94,881	\$7,258	\$35,774	\$160,338	\$9,672	\$53,314	\$65,842	\$5,037	\$26,843	\$92,340	\$7,064	\$34,994
Palm Beach	\$96,596	\$7,390	\$36,302	\$163,236	\$9,714	\$54,025	\$67,032	\$5,128	\$27,209	\$94,008	\$7,192	\$35,507
Pasco	\$90,072	\$6,981	\$34,295	\$152,211	\$9,554	\$51,318	\$62,505	\$4,782	\$25,816	\$87,659	\$6,706	\$33,554
Pinellas	\$95,257	\$7,287	\$35,891	\$160,973	\$9,681	\$53,470	\$66,103	\$5,057	\$26,923	\$92,705	\$7,092	\$35,106
Polk	\$90,297	\$6,908	\$34,365	\$152,591	\$9,560	\$51,411	\$62,661	\$4,794	\$25,864	\$87,878	\$6,723	\$33,621
Putnam	\$90,805	\$6,947	\$34,520	\$153,449	\$9,572	\$51,623	\$63,013	\$4,820	\$25,973	\$88,372	\$6,760	\$33,773
Saint Johns	\$90,477	\$6,921	\$34,420	\$152,895	\$9,564	\$51,487	\$62,785	\$4,803	\$25,903	\$88,053	\$6,736	\$33,675
Saint Lucie	\$91,111	\$6,970	\$34,616	\$153,967	\$9,580	\$51,749	\$63,226	\$4,837	\$26,038	\$88,671	\$6,783	\$33,864
Santa Rosa	\$90,371	\$6,913	\$34,387	\$152,716	\$9,561	\$51,442	\$62,712	\$4,797	\$25,880	\$87,950	\$6,728	\$33,643
Sarasota	\$91,020	\$6,963	\$34,588	\$153,813	\$9,577	\$51,712	\$63,163	\$4,832	\$26,018	\$88,582	\$6,777	\$33,837
Seminole	\$94,881	\$7,258	\$35,774	\$160,338	\$9,672	\$53,314	\$65,842	\$5,037	\$26,843	\$92,340	\$7,064	\$34,994
Sumter	\$89,593	\$6,854	\$34,148	\$151,402	\$9,542	\$51,120	\$62,172	\$4,756	\$25,715	\$87,193	\$6,670	\$33,411
Suwannee	\$88,535	\$6,773	\$33,823	\$149,614	\$9,516	\$50,680	\$61,438	\$4,700	\$25,489	\$86,164	\$6,592	\$33,094
Taylor	\$87,989	\$6,731	\$33,655	\$148,690	\$9,503	\$50,454	\$61,059	\$4,671	\$25,372	\$85,632	\$6,551	\$32,930
Union	\$90,459	\$6,920	\$34,414	\$152,864	\$9,564	\$51,479	\$62,773	\$4,802	\$25,899	\$88,036	\$6,735	\$33,669
Volusia	\$91,380	\$6,991	\$34,698	\$154,421	\$9,586	\$51,681	\$63,412	\$4,851	\$26,096	\$88,932	\$6,803	\$33,945
Wakulla	\$90,631	\$6,933	\$34,468	\$153,155	\$9,568	\$51,550	\$62,892	\$4,811	\$25,936	\$88,203	\$6,748	\$33,721
Walton	\$83,202	\$6,365	\$32,183	\$140,602	\$9,386	\$48,467	\$57,737	\$4,417	\$24,351	\$80,974	\$6,194	\$31,498
Washington	\$82,427	\$6,306	\$31,944	\$139,292	\$9,367	\$48,145	\$57,199	\$4,376	\$24,185	\$80,219	\$6,137	\$31,265

Notes	[A]	[B]	[C]	[D]
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Note that Social security includes employee share of payroll taxes for Social Security (6.2% of the first \$117,000 of a worker's annual pay) and Medicare (1.45% of all wages with no upper limit) [S3]. County seats for each county were used as the major metropolitan area for Salary Wizard inputs.

Notes

[A] All figures are median compensation estimates obtained from [S1] for the job title Certified Nurse Midwife.

[B] All figures are median compensation estimates obtained from [S1] for the job title Certified Nurse Anesthetist.

[C] All figures are median compensation estimates obtained from [S1] for the job title Clinical Nurse Specialist: Home Care.

[D] All figures are median compensation estimates obtained from [S1] for the job title Clinical Nurse Specialist.

Sources

[S1] Salary.com. *Salary Wizard*. Available at <http://www1.salary.com/Healthcare-Nursing-Salaries.html>

[S2] Salary.com. *Compensation Glossary*. Available at: http://bayarea.salary.com/docs/salwizhtmls/swze_wizardhelp.asp#Glossary

Table C-4a. ARNP Gross Compensation, by County, 2013

COUNTY	County Seat	TOTAL ARNPS				NURSE PRACTICIONERS		
		Total Compensation	Salary plus bonus	Social security	All other benefits	Salary plus bonus	Social security	All other benefits
State Total		\$2,521,983,510	\$1,749,764,963	\$126,760,958	\$645,457,589	\$1,207,200,589	\$92,350,649	\$460,520,874
Alachua	Gainesville	\$81,264,476	\$55,978,285	\$4,175,663	\$21,110,529	\$45,594,343	\$3,487,969	\$17,490,730
Baker	Maccleenny	\$1,196,482	\$819,221	\$62,669	\$314,593	\$819,221	\$62,669	\$314,593
Bay	Panama City	\$28,686,918	\$19,844,516	\$1,438,103	\$7,404,300	\$11,511,577	\$880,628	\$4,496,645
Bradford	Starke	\$1,222,448	\$842,398	\$62,703	\$317,347	\$719,523	\$55,044	\$276,021
Brevard	Titusville	\$57,936,522	\$40,085,795	\$2,928,384	\$14,922,343	\$28,796,990	\$2,202,896	\$11,056,373
Broward	Fourt Lauderdale	\$208,562,271	\$144,917,496	\$10,474,267	\$53,170,508	\$96,472,935	\$7,380,399	\$36,575,029
Calhoun	Blountstown	\$1,169,027	\$803,686	\$59,655	\$305,685	\$596,469	\$45,630	\$233,889
Charlotte	Punta Gorda	\$20,084,439	\$13,931,526	\$1,005,164	\$5,147,748	\$9,090,896	\$695,457	\$3,497,528
Citrus	Inverness	\$11,371,969	\$7,868,526	\$574,570	\$2,928,873	\$5,721,909	\$437,720	\$2,198,274
Clay	Green Cove Springs	\$18,640,852	\$12,953,508	\$933,170	\$4,754,174	\$8,541,845	\$653,452	\$3,249,836
Collier	East Naples	\$39,924,246	\$27,716,780	\$1,986,741	\$10,220,726	\$16,903,041	\$1,293,026	\$6,510,440
Columbia	Lake City	\$9,566,540	\$6,564,952	\$496,271	\$2,505,317	\$5,985,234	\$457,880	\$2,303,631
DeSoto	Arcadia	\$3,317,618	\$2,308,009	\$164,398	\$845,210	\$1,421,537	\$108,746	\$546,324
Dixie	Cross City	\$275,653	\$188,444	\$14,416	\$72,793	\$188,444	\$14,416	\$72,793
Duval	Jacksonville	\$155,743,593	\$108,016,976	\$7,853,967	\$39,872,650	\$78,140,477	\$5,977,757	\$29,729,372
Escambia	Pensacola	\$61,439,469	\$42,723,891	\$3,050,552	\$15,665,026	\$26,161,958	\$2,001,368	\$10,047,512
Flagler	Bunnell	\$6,561,078	\$4,562,152	\$325,896	\$1,673,030	\$2,960,035	\$226,441	\$1,134,972
Franklin	Apalachicola	\$737,186	\$509,356	\$37,349	\$190,481	\$398,790	\$30,235	\$152,874
Gadsden	Quincy	\$2,686,324	\$1,838,954	\$140,680	\$706,690	\$1,763,407	\$134,900	\$676,862
Gilchrist	Trenton	\$804,872	\$551,162	\$42,164	\$211,546	\$551,162	\$42,164	\$211,546
Glades	Moore Haven	\$250,942	\$171,782	\$13,141	\$66,020	\$171,782	\$13,141	\$66,020
Gulf	Port St. Joe	\$1,534,603	\$1,049,491	\$79,195	\$405,917	\$925,247	\$70,781	\$362,861
Hamilton	Jasper	\$239,968	\$164,091	\$12,553	\$63,324	\$164,091	\$12,553	\$63,324
Hardee	Wauchula	\$671,983	\$459,770	\$35,172	\$177,041	\$459,770	\$35,172	\$177,041

Hendry	LaBelle	\$1,839,536	\$1,267,404	\$94,313	\$477,819	\$1,076,647	\$82,363	\$413,550
Hernando	Brooksville	\$16,733,281	\$11,577,286	\$846,209	\$4,309,785	\$7,814,606	\$597,833	\$3,002,266
Highlands	Seabring	\$10,674,696	\$7,405,319	\$533,797	\$2,735,580	\$4,683,676	\$358,311	\$1,803,134
Hillsborough	Tampa	\$252,655,702	\$175,640,863	\$12,645,134	\$64,369,705	\$122,487,597	\$9,370,173	\$46,493,628
Holmes	Bonifay	\$765,494	\$522,473	\$39,970	\$203,051	\$522,473	\$39,970	\$203,051
Indian River	Vero Beach	\$12,010,002	\$8,301,532	\$609,669	\$3,098,801	\$6,045,769	\$462,503	\$2,318,819
Jackson	Marianna	\$7,046,536	\$4,840,214	\$360,512	\$1,845,809	\$3,802,831	\$290,917	\$1,487,560
Jefferson	Monticello	\$331,364	\$226,909	\$17,358	\$87,096	\$226,909	\$17,358	\$87,096
Lafayette	Mayo	\$371,230	\$253,927	\$19,426	\$97,877	\$253,927	\$19,426	\$97,877
Lake	Tavares	\$29,289,808	\$20,291,887	\$1,473,473	\$7,524,448	\$13,329,984	\$1,019,754	\$5,119,889
Lee	Fort Myers	\$85,588,450	\$59,335,873	\$4,293,137	\$21,959,440	\$37,226,535	\$2,847,844	\$14,322,113
Leon	Tallahassee	\$53,734,253	\$37,165,935	\$2,719,866	\$13,848,452	\$26,062,112	\$1,993,744	\$10,003,619
Levy	Bronson	\$2,277,761	\$1,571,299	\$116,397	\$590,065	\$1,302,510	\$99,642	\$499,664
Liberty	Bristol	\$485,931	\$331,085	\$25,329	\$129,517	\$249,378	\$19,078	\$97,795
Madison	Madison	\$1,386,901	\$951,576	\$71,298	\$364,027	\$808,960	\$61,883	\$315,065
Manatee	Bradenton	\$32,971,554	\$22,921,588	\$1,639,537	\$8,410,428	\$14,515,134	\$1,110,417	\$5,566,631
Marion	Ocala	\$39,931,591	\$27,657,102	\$2,012,162	\$10,262,327	\$19,243,927	\$1,472,118	\$7,385,173
Martin	Stuart	\$24,147,475	\$16,757,115	\$1,210,053	\$6,180,307	\$10,353,501	\$792,059	\$3,966,464
Miami-Dade	Miami	\$328,871,927	\$228,334,103	\$16,561,996	\$83,975,828	\$165,084,058	\$12,628,691	\$62,590,893
Monroe	Key West	\$5,068,856	\$3,485,967	\$261,885	\$1,321,004	\$2,925,633	\$223,803	\$1,122,790
Nassau	Fernandina Beach	\$4,388,662	\$3,038,072	\$221,615	\$1,128,976	\$2,129,080	\$162,871	\$816,848
Okaloosa	Crestview	\$19,537,531	\$13,486,642	\$988,431	\$5,062,458	\$8,388,475	\$641,709	\$3,279,119
Okeechobee	Okeechobee	\$2,160,669	\$1,485,986	\$111,353	\$563,330	\$1,315,203	\$100,612	\$505,710
Orange	Orlando	\$197,506,778	\$137,188,879	\$9,895,157	\$50,422,742	\$92,337,594	\$7,063,883	\$35,126,314
Osceola	Kissimmee	\$20,947,583	\$14,538,973	\$1,053,548	\$5,355,062	\$9,929,674	\$759,626	\$3,777,365
Palm Beach	West Palm	\$178,326,343	\$124,088,772	\$8,897,382	\$45,340,189	\$84,083,585	\$6,432,585	\$31,877,952
Pasco	Dade City	\$42,287,704	\$29,242,591	\$2,140,038	\$10,905,075	\$20,650,316	\$1,579,745	\$7,946,136
Pinellas	Clearwater	\$168,085,618	\$116,799,843	\$8,417,775	\$42,868,000	\$79,611,037	\$6,090,376	\$30,262,389
Polk	Bartow	\$51,112,174	\$35,299,971	\$2,599,229	\$13,212,974	\$26,274,050	\$2,009,910	\$10,092,262
Putnam	Palatka	\$3,751,922	\$2,600,319	\$188,682	\$962,920	\$1,729,985	\$132,339	\$663,769
Saint Johns	St. Augustine	\$20,037,285	\$13,894,960	\$1,005,008	\$5,137,317	\$8,972,471	\$686,391	\$3,445,056

Saint Lucie	Fort Pierce	\$27,348,475	\$18,898,637	\$1,390,807	\$7,059,030	\$13,580,298	\$1,038,916	\$5,207,122
Santa Rosa	Milton	\$13,595,594	\$9,437,747	\$678,857	\$3,478,990	\$6,249,047	\$478,047	\$2,399,949
Sarasota	Sarasota	\$56,887,687	\$39,583,201	\$2,819,179	\$14,485,308	\$23,966,899	\$1,833,483	\$9,191,434
Seminole	Sanford	\$38,746,127	\$26,877,199	\$1,953,133	\$9,915,795	\$18,438,560	\$1,410,561	\$7,014,247
Sumter	Bushnell	\$3,630,823	\$2,492,011	\$188,289	\$950,522	\$2,317,899	\$177,316	\$891,734
Suwannee	Live Oak	\$1,000,428	\$684,472	\$52,363	\$263,593	\$582,657	\$44,574	\$224,697
Taylor	Perry	\$2,539,142	\$1,745,223	\$128,358	\$665,562	\$1,248,336	\$95,494	\$493,158
Union	Lake Butler	\$806,442	\$552,179	\$42,242	\$212,021	\$552,179	\$42,242	\$212,021
Volusia	DeLand	\$40,621,059	\$28,200,355	\$2,033,230	\$10,387,474	\$18,379,074	\$1,406,009	\$7,043,014
Wakulla	Crawfordville	\$1,331,766	\$911,958	\$69,765	\$350,044	\$911,958	\$69,765	\$350,044
Walton	DeFuniak Springs	\$4,537,217	\$3,145,917	\$226,961	\$1,164,340	\$1,739,897	\$133,101	\$679,670
Washington	Chipley	\$2,724,656	\$1,860,833	\$141,195	\$722,628	\$1,735,470	\$132,765	\$679,297

Notes

[A]

[B]

Notes

[A] All figures are calculated by authors as summed totals using figures in adjacent columns.

[B] All figures are calculated by multiplying estimates of the number of active FTE APRNs in 2013 [S1] times compensation estimates per APRN reported in [S2] for NPs and in [S3] for CNMs, CRNAs and CNSs.

Sources

[S1] Unruh, L. & Rutherford, A. Table C-1. Active Advanced Practice RNs by County, 2013. University of Central Florida, Florida Center for Nursing.

[S2] Unruh, L. & Rutherford, A. Table C-2. Nurse Practitioner Compensation by County, July 2014. University of Central Florida, Florida Center for Nursing.

[S3] Unruh, L. & Rutherford, A. Table C-3. Certified Nurse Midwives, Certified Registered Nurse Anesthetist & Clinical Nurse Specialist Compensation by County, July 2014. University of Central Florida, Florida Center for Nursing.

[S4] Salary.com. *Salary Wizard*. Available at <http://www1.salary.com/Healthcare-Nursing-Salaries.html>

Table C-4b. ARNP Gross Compensation, by County, 2013

COUNTY	CERTIFIED NURSE MIDWIVES			CERTIFIED REGISTERED NURSE ANESTHETISTS			CLINICAL NURSE SPECIALISTS		
	Salary plus bonus	Social security	All other benefits	Salary plus bonus	Social security	All other benefits	Salary plus bonus	Social security	All other benefits
State Total	\$74,604,092	\$5,708,743	\$28,180,960	\$459,935,702	\$28,087,682	\$153,608,050	\$8,024,580	\$613,884	\$3,147,706
Alachua	\$2,683,527	\$205,287	\$1,020,000	\$7,529,946	\$469,365	\$2,532,533	\$170,469	\$13,041	\$67,265
Baker	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bay	\$137,318	\$10,506	\$53,112	\$8,195,621	\$546,969	\$2,854,543	\$0	\$0	\$0
Bradford	\$0	\$0	\$0	\$122,875	\$7,659	\$41,326	\$0	\$0	\$0
Brevard	\$1,522,878	\$116,506	\$578,652	\$9,690,026	\$603,175	\$3,257,382	\$75,901	\$5,807	\$29,937
Broward	\$12,072,085	\$923,565	\$4,536,842	\$36,030,266	\$2,144,123	\$11,924,668	\$342,210	\$26,180	\$133,969
Calhoun	\$0	\$0	\$0	\$207,218	\$14,025	\$71,796	\$0	\$0	\$0
Charlotte	\$275,462	\$21,073	\$104,993	\$4,499,830	\$283,636	\$1,519,364	\$65,339	\$4,998	\$25,864
Citrus	\$164,650	\$12,596	\$62,672	\$1,981,967	\$124,254	\$667,927	\$0	\$0	\$0
Clay	\$834,416	\$63,835	\$314,662	\$3,577,246	\$215,883	\$1,189,677	\$0	\$0	\$0
Collier	\$345,181	\$26,408	\$131,711	\$10,123,277	\$640,893	\$3,441,721	\$345,281	\$26,414	\$136,854
Columbia	\$134,088	\$10,257	\$51,131	\$445,630	\$28,134	\$150,556	\$0	\$0	\$0
DeSoto	\$0	\$0	\$0	\$886,472	\$55,652	\$298,887	\$0	\$0	\$0
Dixie	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Duval	\$4,134,152	\$316,274	\$1,559,005	\$25,345,171	\$1,529,552	\$8,428,988	\$397,176	\$30,384	\$155,285
Escambia	\$885,636	\$67,747	\$336,993	\$15,676,297	\$981,437	\$5,280,521	\$0	\$0	\$0
Flagler	\$0	\$0	\$0	\$1,602,118	\$99,455	\$538,058	\$0	\$0	\$0
Franklin	\$0	\$0	\$0	\$110,567	\$7,114	\$37,607	\$0	\$0	\$0
Gadsden	\$0	\$0	\$0	\$0	\$0	\$0	\$75,548	\$5,780	\$29,829
Gilchrist	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Glades	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gulf	\$0	\$0	\$0	\$124,244	\$8,414	\$43,056	\$0	\$0	\$0
Hamilton	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Hardee	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Hendry	\$0	\$0	\$0	\$190,758	\$11,950	\$64,269	\$0	\$0	\$0
Hernando	\$904,355	\$69,183	\$344,238	\$2,858,325	\$179,194	\$963,281	\$0	\$0	\$0
Highlands	\$178,570	\$13,660	\$68,108	\$2,459,344	\$155,421	\$831,170	\$83,729	\$6,405	\$33,169
Hillsborough	\$4,986,369	\$381,469	\$1,876,122	\$47,370,802	\$2,832,593	\$15,689,510	\$796,095	\$60,899	\$310,445
Holmes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Indian River	\$400,294	\$30,624	\$152,126	\$1,787,216	\$111,321	\$600,931	\$68,252	\$5,221	\$26,925
Jackson	\$0	\$0	\$0	\$1,037,384	\$69,595	\$358,249	\$0	\$0	\$0
Jefferson	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lafayette	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lake	\$1,038,772	\$79,465	\$395,301	\$5,685,952	\$356,110	\$1,915,544	\$237,179	\$18,144	\$93,714
Lee	\$3,484,701	\$266,582	\$1,328,202	\$18,271,807	\$1,151,719	\$6,169,460	\$352,830	\$26,992	\$139,666
Leon	\$1,878,327	\$143,686	\$714,349	\$8,791,097	\$549,203	\$2,958,970	\$434,398	\$33,232	\$171,514
Levy	\$0	\$0	\$0	\$268,790	\$16,755	\$90,402	\$0	\$0	\$0
Liberty	\$81,707	\$6,251	\$31,722	\$0	\$0	\$0	\$0	\$0	\$0
Madison	\$0	\$0	\$0	\$142,616	\$9,415	\$48,962	\$0	\$0	\$0
Manatee	\$400,488	\$30,637	\$152,187	\$8,005,967	\$498,483	\$2,691,610	\$0	\$0	\$0
Marion	\$1,052,143	\$80,492	\$400,072	\$7,361,032	\$459,551	\$2,477,081	\$0	\$0	\$0
Martin	\$1,397,800	\$106,925	\$530,623	\$4,960,046	\$307,567	\$1,665,142	\$45,768	\$3,501	\$18,079
Miami-Dade	\$9,554,216	\$730,944	\$3,590,896	\$53,343,698	\$3,175,423	\$17,656,892	\$352,131	\$26,939	\$137,148
Monroe	\$228,400	\$17,473	\$86,730	\$331,934	\$20,610	\$111,484	\$0	\$0	\$0
Nassau	\$145,334	\$11,118	\$55,248	\$763,658	\$47,626	\$256,879	\$0	\$0	\$0
Okaloosa	\$578,458	\$44,249	\$223,891	\$4,519,709	\$302,473	\$1,559,449	\$0	\$0	\$0
Okeechobee	\$0	\$0	\$0	\$170,783	\$10,742	\$57,620	\$0	\$0	\$0
Orange	\$5,123,574	\$391,932	\$1,931,796	\$37,078,163	\$2,236,650	\$12,328,863	\$2,649,549	\$202,692	\$1,035,770
Osceola	\$884,765	\$67,681	\$333,593	\$3,627,647	\$218,829	\$1,206,229	\$96,886	\$7,412	\$37,875
Palm Beach	\$4,950,255	\$378,715	\$1,860,369	\$35,054,931	\$2,086,082	\$11,601,869	\$0	\$0	\$0
Pasco	\$1,423,138	\$110,300	\$541,861	\$7,169,138	\$449,993	\$2,417,078	\$0	\$0	\$0
Pinellas	\$5,196,269	\$397,506	\$1,957,854	\$31,635,219	\$1,902,559	\$10,508,192	\$357,318	\$27,335	\$139,565
Polk	\$1,406,376	\$107,592	\$535,235	\$7,305,294	\$457,685	\$2,461,302	\$314,250	\$24,042	\$124,175
Putnam	\$145,288	\$11,115	\$55,232	\$725,047	\$45,228	\$243,919	\$0	\$0	\$0
Saint Johns	\$692,149	\$52,946	\$263,313	\$4,154,922	\$259,902	\$1,399,159	\$75,419	\$5,770	\$29,789

Saint Lucie	\$1,469,165	\$112,391	\$558,183	\$3,849,175	\$239,500	\$1,293,725	\$0	\$0	\$0
Santa Rosa	\$0	\$0	\$0	\$3,103,953	\$194,327	\$1,045,559	\$84,747	\$6,483	\$33,482
Sarasota	\$762,293	\$58,315	\$289,675	\$14,677,606	\$913,885	\$4,934,618	\$176,404	\$13,495	\$69,581
Seminole	\$1,835,947	\$140,442	\$692,227	\$6,365,419	\$383,978	\$2,116,566	\$237,273	\$18,152	\$92,756
Sumter	\$0	\$0	\$0	\$174,112	\$10,973	\$58,788	\$0	\$0	\$0
Suwannee	\$101,815	\$7,789	\$38,896	\$0	\$0	\$0	\$0	\$0	\$0
Taylor	\$87,989	\$6,731	\$33,655	\$408,898	\$26,133	\$138,749	\$0	\$0	\$0
Union	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Volusia	\$1,025,741	\$78,474	\$389,485	\$8,605,110	\$534,180	\$2,879,924	\$190,430	\$14,568	\$75,051
Wakulla	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Walton	\$0	\$0	\$0	\$1,406,020	\$93,860	\$484,670	\$0	\$0	\$0
Washington	\$0	\$0	\$0	\$125,363	\$8,430	\$43,331	\$0	\$0	\$0
Notes	[B]								
Notes									
[B] All figures are calculated by multiplying estimates of the number of active FTE APRNs in 2013 [S1] times compensation estimates per APRN reported in [S2] for NPs and in [S3] for CNMs, CRNAs and CNSs.									
Sources									
[S1] Unruh, L. & Rutherford, A. Table C-1. Active Advanced Practice RNs by County, 2013. University of Central Florida, Florida Center for Nursing.									
[S2] Unruh, L. & Rutherford, A. Table C-2. Nurse Practitioner Compensation by County, July 2014. University of Central Florida, Florida Center for Nursing.									
[S3] Unruh, L. & Rutherford, A. Table C-3. Certified Nurse Midwives, Certified Registered Nurse Anesthetist & Clinical Nurse Specialist Compensation by County, July 2014. University of Central Florida, Florida Center for Nursing.									
[S4] Salary.com. <i>Salary Wizard</i> . Available at http://www1.salary.com/Healthcare-Nursing-Salaries.html									

Table C-5. Derivation of ARNP Estimated Practice Expenses

	NURSE PRACTITIONERS				CERTIFIED NURSE MIDWIVES				CERTIFIED REGISTERED NURSE ANESTHETISTS				CLINICAL NURSE SPECIALISTS			
	MD Base-line	Non-metro	Large Metro (1 mill-ion+)	MD Base-line	Non-metro	Small Metro (<1 mill-ion)	Large Metro (1 mill-ion+)	Large Metro (1 mill-ion+)	MD Base-line	Non-metro	Small Metro (<1 mill-ion)	Large Metro (1 mill-ion+)	MD Base-line	Non-metro	Small Metro (<1 mill-ion)	Large Metro (1 mill-ion+)
Physician Comparator	Family Medicine				Obstetrics/ Gynecology				Anesthesiologists				Internal Medicine			
Mean MD pt care hrs per year [A]	2,224	2,356	2,356	2,120	2,259	2,393	2,393	2,154	2,419	2,563	2,563	2,306	2,386	2,527	2,527	2,275
Non-physician compensation	\$132	\$147	\$121	\$135	\$161	\$182	\$148	\$164	\$58	\$64	\$54	\$60	\$121	\$136	\$111	\$123
Non-physician payroll	\$54	\$62	\$50	\$55	\$76	\$87	\$70	\$78	\$35	\$41	\$33	\$36	\$46	\$53	\$42	\$47
Clin. payroll, can bill independ.	\$7	\$8	\$7	\$7	\$9	\$10	\$8	\$9	\$22	\$26	\$21	\$23	\$4	\$5	\$4	\$4
Clin. payroll, cannot bill indep.	\$20	\$23	\$18	\$20	\$33	\$38	\$31	\$34	\$6	\$7	\$5	\$6	\$16	\$18	\$15	\$16
Clerical wages	\$27	\$32	\$25	\$28	\$34	\$39	\$31	\$34	\$7	\$9	\$7	\$8	\$26	\$30	\$24	\$26
Other practice expenses	\$58	\$58	\$53	\$60	\$60	\$63	\$54	\$62	\$12	\$12	\$11	\$13	\$56	\$56	\$51	\$58
Office expenses	\$54	\$53	\$51	\$57	\$53	\$51	\$49	\$55	\$12	\$11	\$11	\$12	\$52	\$51	\$49	\$55
Professional liability insurance	NR	NA	NA	NA	NR	NA	NA	NA	NR	NA	NA	NA	NR	NA	NA	NA
Medical equipment	\$3	\$5	\$2	\$3	\$8	\$12	\$5	\$7	\$0	\$1	\$0	\$0	\$3	\$5	\$2	\$3
Medical materials and supplies	\$6	\$10	\$6	\$6	\$9	\$13	\$8	\$7	\$0	\$1	\$0	\$0	\$6	\$10	\$6	\$6
Med. supplies, sep. billable	\$2	\$3	\$1	\$2	\$2	\$3	\$1	\$2	\$0	\$0	\$0	\$0	\$1	\$2	\$1	\$1
All other medical supplies	\$5	\$7	\$3	\$4	\$7	\$11	\$4	\$6	\$0	\$0	\$0	\$0	\$5	\$8	\$3	\$5
Drug	\$5	\$8	\$5	\$5	\$4	\$6	\$4	\$3	\$0	\$0	\$0	\$0	\$7	\$11	\$7	\$6
Drugs, separately billable	\$4	\$6	\$2	\$3	\$2	\$3	\$1	\$2	\$0	\$0	\$0	\$0	\$5	\$7	\$3	\$4
All other drugs	\$2	\$2	\$1	\$1	\$2	\$3	\$1	\$2	\$0	\$0	\$0	\$0	\$2	\$3	\$1	\$2
Other professional expenses	\$8	\$8	\$8	\$9	\$13	\$12	\$12	\$14	\$10	\$10	\$10	\$11	\$6	\$6	\$6	\$6
Inflation adjust., 2006 to 2013 [B]	\$1.21															
Ratio of PE to MD compensation, total [C]	\$1.59	\$1.77	\$1.46	\$1.62	\$1.70	\$1.92	\$1.56	\$1.73	\$0.55	\$0.59	\$0.51	\$0.56	\$1.34	\$1.50	\$1.23	\$1.36
Ratio of PE to MD compensation, excluding clinical payroll [D]	\$1.26	\$1.40	\$1.17	\$1.29	\$1.26	\$1.41	\$1.15	\$1.28	\$0.28	\$0.29	\$0.26	\$0.30	\$1.11	\$1.24	\$1.02	\$1.13
Notes	[E]	[F]			[E]	[F]			[E]	[F]			[E]	[F]		

Notes

- [A] All figures for MD baseline are mean patient care hours per year estimates for respondents included in the practice expense per hour (PE/HR) calculations, as reported in [S2]. All figures based on metro size are calculated by Conover and Richards (2015) assuming that differences in hours worked by location are the same across all specialty types, e.g. Non-metro Annual Patient Care Hours, Family Medicine = (MD Baseline, Annual Patient Care Hours, Family Medicine) x (Non-metro Weekly Patient Care Hours)/(Weekly Patient Care Hours, All Physicians), using weekly hours reported in [P1].
- [B] The figure shown is calculated from annual growth rates in 2006-based Medicare Economic Index prior to productivity adjustment from CY2006 through CY2012, as reported in [S8].
- [C] All figures calculated by Conover and Richards (2015) for each physician comparator group: (Non-physician Compensation) x (Inflation Adjustment, 2006-2013)/[(Hourly Mean Wage/(43.88/48.266))] using hourly mean wage data shown in [P2] and where 43.88=cost weight for wages and salaries in current 2006-based MEI and 48.266=cost weight for physician compensation in MEI, as reported in [S7].
- [D] All figures calculated by Conover and Richards (2015): (Ratio of PE to MD compensation, Total) x (Non-physician Compensation - Clinical payroll, can bill independently-Clinical payroll, cannot bill independently)/(Non-physician Compensation).
- [E] All figures are practice expense per hour estimates reported in [S1] for the physician specialty comparator category shown. The methodology used by AMA to calculate these estimates is reported in [S3]. Note that the costs of professional liability insurance (PLI) are not reported in the PPIS. For the average physician, PLI amounts to 8.3% of total practice expenses according to the current 2006-based Medicare Economic Index [S7]. PLI costs likely are lower for APRNs. A recent analysis of 17 years of data compiled in the United States National Practitioner Data Bank (NPDB) found that there was one PLI payment report for every 2.7 active physicians and only one for every 65.8 active and inactive APRNs [S6].
- [F] All figures for non-physician payroll are calculated by Conover & Richards (2015) using the following formula: (Non-physician Payroll, Non-metro) = (Non-physician Payroll, All Physicians) x [(Median PE, Non-physician payroll, Non-metro)/ (Median PE, Non-physician payroll, All physicians)] x (Mean Annual Patient Care Hours, MD Baseline) x (Mean Annual Patient Care Hours, Non-Metro). The first adjustment accounts for differences in practice expenses by location, using figures reported in Parameters [P1]; thus, it is identical for all specialties shown. The second adjustment accounts for differences in hours worked by location, using figures shown in main table; thus, this adjustment differs by specialty. This method was used to derive figures for a) Non-physician payroll; b) Office expenses; c) Medical equipment; d) Medical materials and supplies; e) Drugs (using the medical supplies PE estimates in [P1]); and Other professional expenses. Sub-components of these categories (e.g., Clinical payroll, can bill independently, were derived for each specialty assuming that the distribution of sub-components in each geographic location mirrored that reported in the MD baseline for that specialty.

Parameters

[P1]		Median Practice Expense per Physician for 2006 by Metro/ Non-Metro Location				Notes
Expense Category		All Physicians	Non-Metro	Small Metro (<1 Million)	Large Metro (1 Million+)	
Total Expenses		\$ 221,000	\$ 240,000	\$ 236,000	\$ 213,000	[P1a]
Office Expenses		\$ 81,333	\$ 84,000	\$ 80,000	\$ 81,633	
Non-Physician Payroll		\$ 82,000	\$ 100,000	\$ 80,000	\$ 80,000	
Medical Supplies		\$ 6,000	\$ 10,000	\$ 6,000	\$ 5,000	
Equipment		\$ 3,000	\$ 5,000	\$ 2,000	\$ 2,500	
Other		\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	
Number of Observations		2,137	202	759	1,176	[P1b]
Weekly Patient Care Hours		47.2	50	50	45	

[P1a] All figures reported in Table 1 at [S5]

[P1b] All figures reported in Table 3 at [S5]

[P2]		Hourly Wage Differentials, Selected MD Specialties & APRNs, May 2013						
Occupation (SOC Code)	Hourly Mean Wage	Occupation (SOC Code)	Hourly Mean Wage	Ratio: APRN/MD				
Family & General Practitioners (291062)	\$ 91.25	Nurse Practitioners (291171)	\$ 45.35	0.497				
Obstetricians & Gynecologists (291064)	\$ 104.20	Nurse Midwives (291161)	\$ 44.79	0.430				
Anesthesiologists (291061)	\$117.68	Nurse Anesthetists (291151)	\$ 74.08	0.630				
Internists, General (291063)	\$ 99.35							

Note: All hourly wage figures reported in [S4].

Sources:

- [S1] American Medical Association. *Practice Expense Per Hour, 2007/2008 PPIS Survey*. Available at: <http://www.ama-assn.org/resources/doc/rbrvs/x-pub/ppi-pe-per-hour-spreadsheet.xls>
- [S2] American Medical Association. *Supplement to the PPIS Specialty Reports, mean patient care hours per year, by Specialty for respondents included in the PE/HR calculations*. Available at: <http://www.amaassn.org/resources/doc/rbrvs/x-pub/ppi-patient-care-hours.pdf>
- [S3] American Medical Association. *Practice Expense per Hour Formula*. Available at: <http://www.ama-assn.org/resources/doc/rbrvs/x-pub/ppi-pe-per-hour-formula.pdf>
- [S4] Bureau of Labor Statistics. Occupational Employment Statistics Query System. Available at: <http://data.bls.gov/oes/datatype.do>.
- [S5] Gillis, Kurt D. *Physician Practice Expenses by Location*. American Medical Association, Policy Research Perspectives. Chicago, IL: 2009. Available at: <http://www.ama-assn.org/resources/doc/rbrvs/xpub/practice-expense-by-location.pdf>
- [S6] Hooker, Roderick S., Jeffrey G. Nicholson, Tuan Le. Does the Employment of Physician Assistants and Nurse Practitioners Increase Liability? *Journal of Medical Licensure and Discipline* 95 (2) 2009: 6-16. Available at: <http://www.paexperts.com/Nicholson%20-%20Hooker%20Article.pdf>
- [S7] 2012 Medicare Economic Index Technical Advisory Panel. Table 1-Current 2006-based Medicare Economic Index in *Report to the HHS Secretary: Review of the Medicare Economic Index*. Available at: <http://www.cms.gov/Regulations-and-Guidance/FACA/Downloads/MEI-Review-Report-to-HHS.pdf>
- [S8] 2012 Medicare Economic Index Technical Advisory Panel. Table 2-Annual Growth Rates in 2006-based MEI, 2006-based MEI Prior to Productivity Adjustment, and CPI-U All Items Less Food and Energy, 2000-2012, in *Report to the HHS Secretary: Review of the Medicare Economic Index*. Available at: <http://www.cms.gov/Regulations-and-Guidance/FACA/Downloads/MEI-Review-Reportto-HHS.pdf>

Table C-6a. ARNP Practice Outlays, by County, 2013

COUNTY	County Seat	TOTAL ARNPS			NURSE PRACTICIONERS		
		Total Practice Outlays	Total compensation	Practice Expenses	Total compensation	PE to Compensation Ratio	Practice Expenses
State Total		\$5,800,101,335	\$2,521,983,510	\$3,278,117,825	\$1,760,072,112		\$2,741,687,051
Alachua	Gainesville	\$210,608,191	\$81,264,476	\$129,343,715	\$66,573,042	1.77	\$117,634,565
Baker	Macclenny	\$3,310,666	\$1,196,482	\$2,114,184	\$1,196,482	1.77	\$2,114,184
Bay	Panama City	\$59,530,736	\$28,686,918	\$30,843,818	\$16,888,850	1.46	\$24,674,610
Bradford	Starke	\$3,180,749	\$1,222,448	\$1,958,301	\$1,050,587	1.77	\$1,856,387
Brevard	Titusville	\$129,812,346	\$57,936,522	\$71,875,825	\$42,056,259	1.46	\$61,444,194
Broward	Ft. Lauderdale	\$495,310,971	\$208,562,271	\$286,748,700	\$140,428,363	1.62	\$227,493,948
Calhoun	Blountstown	\$2,890,669	\$1,169,027	\$1,721,643	\$875,988	1.77	\$1,547,871
Charlotte	Punta Gorda	\$43,418,221	\$20,084,439	\$23,333,783	\$13,283,880	1.46	\$19,407,749
Citrus	Inverness	\$25,357,123	\$11,371,969	\$13,985,153	\$8,357,903	1.46	\$12,210,896
Clay	Green Cove Sp	\$41,226,802	\$18,640,852	\$22,585,949	\$12,445,133	1.46	\$18,182,340
Collier	East Naples	\$84,603,078	\$39,924,246	\$44,678,832	\$24,706,506	1.46	\$36,096,206
Columbia	Lake City	\$25,768,355	\$9,566,540	\$16,201,814	\$8,746,745	1.77	\$15,455,498
DeSoto	Arcadia	\$7,722,901	\$3,317,618	\$4,405,284	\$2,076,607	1.77	\$3,669,365
Dixie	Cross City	\$762,732	\$275,653	\$487,079	\$275,653	1.77	\$487,079
Duval	Jacksonville	\$349,970,895	\$155,743,593	\$194,227,301	\$113,847,606	1.46	\$166,331,353
Escambia	Pensacola	\$130,352,147	\$61,439,469	\$68,912,678	\$38,210,838	1.46	\$55,826,035
Flagler	Bunnell	\$15,525,176	\$6,561,078	\$8,964,098	\$4,321,447	1.77	\$7,635,997
Franklin	Apalachicola	\$1,857,486	\$737,186	\$1,120,300	\$581,899	1.77	\$1,028,215
Gadsden	Quincy	\$7,403,491	\$2,686,324	\$4,717,167	\$2,575,169	1.77	\$4,550,323
Gilchrist	Trenton	\$2,227,082	\$804,872	\$1,422,210	\$804,872	1.77	\$1,422,210
Glades	Moore Haven	\$694,357	\$250,942	\$443,415	\$250,942	1.77	\$443,415
Gulf	Port St. Joe	\$4,039,958	\$1,534,603	\$2,505,355	\$1,358,889	1.77	\$2,401,157

Hamilton	Jasper	\$663,991	\$239,968	\$424,023	\$239,968	1.77	\$424,023
Hardee	Wauchula	\$1,859,376	\$671,983	\$1,187,393	\$671,983	1.77	\$1,187,393
Hendry	LaBelle	\$4,776,565	\$1,839,536	\$2,937,029	\$1,572,559	1.77	\$2,778,712
Hernando	Brooksville	\$37,481,027	\$16,733,281	\$20,747,747	\$11,414,704	1.46	\$16,676,883
Highlands	Seabring	\$25,499,432	\$10,674,696	\$14,824,736	\$6,845,121	1.77	\$12,095,329
Hillsborough	Tampa	\$592,815,761	\$252,655,702	\$340,160,059	\$178,351,399	1.62	\$288,929,266
Holmes	Bonifay	\$2,118,121	\$765,494	\$1,352,628	\$765,494	1.77	\$1,352,628
Indian River	Vero Beach	\$27,199,319	\$12,010,002	\$15,189,318	\$8,827,091	1.46	\$12,896,380
Jackson	Marianna	\$17,777,587	\$7,046,536	\$10,731,052	\$5,581,308	1.77	\$9,862,172
Jefferson	Monticello	\$916,883	\$331,364	\$585,519	\$331,364	1.77	\$585,519
Lafayette	Mayo	\$1,027,193	\$371,230	\$655,963	\$371,230	1.77	\$655,963
Lake	Tavares	\$64,537,905	\$29,289,808	\$35,248,097	\$19,469,627	1.46	\$28,445,125
Lee	Fort Myers	\$186,528,830	\$85,588,450	\$100,940,380	\$54,396,491	1.46	\$79,473,274
Leon	Tallahassee	\$120,594,207	\$53,734,253	\$66,859,954	\$38,059,476	1.46	\$55,604,894
Levy	Bronson	\$5,861,205	\$2,277,761	\$3,583,444	\$1,901,816	1.77	\$3,360,508
Liberty	Bristol	\$1,363,361	\$485,931	\$877,430	\$366,251	1.77	\$647,166
Madison	Madison	\$3,601,588	\$1,386,901	\$2,214,687	\$1,185,908	1.77	\$2,095,499
Manatee	Bradenton	\$70,494,975	\$32,971,554	\$37,523,422	\$21,192,182	1.46	\$30,961,778
Marion	Ocala	\$88,572,686	\$39,931,591	\$48,641,095	\$28,101,219	1.46	\$41,055,881
Martin	Stuart	\$52,977,023	\$24,147,475	\$28,829,548	\$15,112,024	1.46	\$22,078,667
Miami-Dade	Miami	\$784,659,789	\$328,871,927	\$455,787,862	\$240,303,642	1.62	\$389,291,899
Monroe	Key West	\$13,532,975	\$5,068,856	\$8,464,119	\$4,272,226	1.77	\$7,549,023
Nassau	Fernandina Bch	\$10,922,642	\$4,388,662	\$6,533,980	\$3,108,799	1.77	\$5,493,248
Okaloosa	Crestview	\$42,061,451	\$19,537,531	\$22,523,921	\$12,309,303	1.46	\$17,983,892
Okeechobee	Okeechobee	\$5,697,816	\$2,160,669	\$3,537,147	\$1,921,525	1.77	\$3,395,334
Orange	Orlando	\$462,699,720	\$197,506,778	\$265,192,943	\$134,527,791	1.62	\$217,935,021
Osceola	Kissimmee	\$46,810,947	\$20,947,583	\$25,863,364	\$14,466,665	1.46	\$21,135,798
Palm Beach	West Palm	\$416,498,999	\$178,326,343	\$238,172,656	\$122,394,123	1.62	\$198,278,478
Pasco	Dade City	\$94,672,578	\$42,287,704	\$52,384,873	\$30,176,197	1.46	\$44,087,423
Pinellas	Clearwater	\$372,147,070	\$168,085,618	\$204,061,452	\$115,963,801	1.46	\$169,423,114
Polk	Bartow	\$116,100,491	\$51,112,174	\$64,988,318	\$38,376,223	1.46	\$56,067,662

Putnam	Palatka	\$9,224,131	\$3,751,922	\$5,472,210	\$2,526,093	1.77	\$4,463,607
Saint Johns	St. Augustine	\$43,823,754	\$20,037,285	\$23,786,469	\$13,103,917	1.46	\$19,144,823
Saint Lucie	Fort Pierce	\$62,362,298	\$27,348,475	\$35,013,823	\$19,826,336	1.46	\$28,966,277
Santa Rosa	Milton	\$29,277,238	\$13,595,594	\$15,681,644	\$9,127,043	1.46	\$13,334,610
Sarasota	Sarasota	\$120,423,175	\$56,887,687	\$63,535,488	\$34,991,816	1.46	\$51,123,043
Seminole	Sanford	\$87,051,448	\$38,746,127	\$48,305,320	\$26,863,368	1.46	\$39,247,380
Sumter	Bushnell	\$8,702,313	\$3,630,823	\$5,071,489	\$3,386,950	1.46	\$4,948,333
Suwannee	Live Oak	\$2,791,499	\$1,000,428	\$1,791,071	\$851,927	1.77	\$1,505,356
Taylor	Perry	\$6,372,345	\$2,539,142	\$3,833,203	\$1,836,988	1.77	\$3,245,958
Union	Lake Butler	\$2,231,424	\$806,442	\$1,424,982	\$806,442	1.77	\$1,424,982
Volusia	DeLand	\$88,555,269	\$40,621,059	\$47,934,210	\$26,828,097	1.46	\$39,195,850
Wakulla	Crawfordville	\$3,684,997	\$1,331,766	\$2,353,231	\$1,331,766	1.77	\$2,353,231
Walton	DeFuniak Spgs	\$10,224,619	\$4,537,217	\$5,687,402	\$2,552,667	1.77	\$4,510,563
Washington	Chipley	\$7,331,180	\$2,724,656	\$4,606,524	\$2,547,532	1.77	\$4,501,490

Notes	[A]	[B]	[C]	[D]
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Notes

[A] All figures are calculated by authors as summed total using figures in adjacent columns.

[B] All figures are calculated by authors as summed totals using gross compensation figures reported in [S2].

[C] All figures represent the ratio of practice expenses to compensation and allocated back to counties based on urbanization status and population size.

[D] All figures are calculated by authors using figures in adjacent columns: (PE to Compensation Ratio) * (Total Compensation).

Sources

[S1] Unruh, L. & Rutherford, A. Table C-2. Nurse Practitioner Compensation by County, July 2014. University of Central Florida, Florida Center for Nursing.

[S2] Unruh, L. & Rutherford, A. Table C-4. ARNP Gross Compensation, by County, 2013. University of Central Florida, Florida Center for Nursing.

Table C-6b. ARNP Practice Outlays, by County, 2013

COUNTY	CERTIFIED NURSE MIDWIVES			CERTIFIED REGISTERED NURSE ANESTHETISTS			CLINICAL NURSE SPECIALISTS		
	Total compensation	PE to Compensation Ratio	Practice Expenses	Total compensation	PE to Compensation Ratio	Practice Expenses	Total compensation	PE to Compensation Ratio	Practice Expenses
State Total	\$108,493,795		\$178,787,092	\$641,631,433		\$342,299,605	\$11,786,170		\$15,344,077
Alachua	\$3,908,815	1.56	\$6,082,116	\$10,531,845	0.51	\$5,318,582	\$250,775	1.23	\$308,453
Baker	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Bay	\$200,935	1.56	\$312,655	\$11,597,133	0.51	\$5,856,552	\$0	1.23	\$0
Bradford	\$0	1.92	\$0	\$171,861	0.59	\$101,913	\$0	1.50	\$0
Brevard	\$2,218,036	1.56	\$3,451,264	\$13,550,583	0.51	\$6,843,044	\$111,644	1.23	\$137,322
Broward	\$17,532,493	1.73	\$30,366,278	\$50,099,057	0.56	\$28,205,769	\$502,359	1.36	\$682,705
Calhoun	\$0	1.92	\$0	\$293,039	0.59	\$173,772	\$0	1.50	\$0
Charlotte	\$401,527	1.56	\$624,777	\$6,302,830	0.51	\$3,182,929	\$96,201	1.23	\$118,328
Citrus	\$239,918	1.56	\$373,313	\$2,774,148	0.51	\$1,400,945	\$0	1.23	\$0
Clay	\$1,212,913	1.56	\$1,887,292	\$4,982,806	0.51	\$2,516,317	\$0	1.23	\$0
Collier	\$503,301	1.56	\$783,136	\$14,205,890	0.51	\$7,173,974	\$508,550	1.23	\$625,516
Columbia	\$195,476	1.92	\$376,095	\$624,320	0.59	\$370,222	\$0	1.50	\$0
DeSoto	\$0	1.92	\$0	\$1,241,010	0.59	\$735,919	\$0	1.50	\$0
Dixie	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Duval	\$6,009,432	1.56	\$9,350,676	\$35,303,711	0.51	\$17,828,374	\$582,845	1.23	\$716,899
Escambia	\$1,290,376	1.56	\$2,007,825	\$21,938,255	0.51	\$11,078,819	\$0	1.23	\$0
Flagler	\$0	1.92	\$0	\$2,239,631	0.59	\$1,328,101	\$0	1.50	\$0
Franklin	\$0	1.92	\$0	\$155,287	0.59	\$92,085	\$0	1.50	\$0
Gadsden	\$0	1.92	\$0	\$0	0.59	\$0	\$111,156	1.50	\$166,844
Gilchrist	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Glades	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0

Gulf	\$0	1.92	\$0	\$175,714	0.59	\$104,199	\$0	1.50	\$0
Hamilton	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Hardee	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Hendry	\$0	1.92	\$0	\$266,976	0.59	\$158,317	\$0	1.50	\$0
Hernando	\$1,317,776	1.56	\$2,050,460	\$4,000,800	0.51	\$2,020,404	\$0	1.23	\$0
Highlands	\$260,338	1.92	\$500,890	\$3,445,934	0.59	\$2,043,439	\$123,303	1.50	\$185,078
Hillsborough	\$7,243,960	1.73	\$12,546,539	\$65,892,905	0.56	\$37,097,706	\$1,167,438	1.36	\$1,586,549
Holmes	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Indian River	\$583,044	1.56	\$907,216	\$2,499,468	0.51	\$1,262,231	\$100,399	1.23	\$123,490
Jackson	\$0	1.92	\$0	\$1,465,227	0.59	\$868,880	\$0	1.50	\$0
Jefferson	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Lafayette	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Lake	\$1,513,538	1.56	\$2,355,065	\$7,957,606	0.51	\$4,018,591	\$349,037	1.23	\$429,316
Lee	\$5,079,484	1.56	\$7,903,677	\$25,592,987	0.51	\$12,924,458	\$519,488	1.23	\$638,970
Leon	\$2,736,363	1.56	\$4,257,781	\$12,299,270	0.51	\$6,211,131	\$639,144	1.23	\$786,147
Levy	\$0	1.92	\$0	\$375,946	0.59	\$222,936	\$0	1.50	\$0
Liberty	\$119,680	1.92	\$230,264	\$0	0.59	\$0	\$0	1.50	\$0
Madison	\$0	1.92	\$0	\$200,993	0.59	\$119,189	\$0	1.50	\$0
Manatee	\$583,312	1.56	\$907,634	\$11,196,059	0.51	\$5,654,010	\$0	1.23	\$0
Marion	\$1,532,708	1.56	\$2,384,894	\$10,297,665	0.51	\$5,200,321	\$0	1.23	\$0
Martin	\$2,035,348	1.56	\$3,167,001	\$6,932,755	0.51	\$3,501,041	\$67,348	1.23	\$82,838
Miami-Dade	\$13,876,055	1.73	\$24,033,328	\$74,176,013	0.56	\$41,761,095	\$516,217	1.36	\$701,539
Monroe	\$332,603	1.92	\$639,927	\$464,028	0.59	\$275,169	\$0	1.50	\$0
Nassau	\$211,701	1.92	\$407,312	\$1,068,162	0.59	\$633,420	\$0	1.50	\$0
Okaloosa	\$846,598	1.56	\$1,317,306	\$6,381,630	0.51	\$3,222,723	\$0	1.23	\$0
Okeechobee	\$0	1.92	\$0	\$239,145	0.59	\$141,813	\$0	1.50	\$0
Orange	\$7,447,302	1.73	\$12,898,727	\$51,643,675	0.56	\$29,075,389	\$3,888,010	1.36	\$5,283,806
Osceola	\$1,286,039	1.56	\$2,001,076	\$5,052,706	0.51	\$2,551,616	\$142,174	1.23	\$174,873
Palm Beach	\$7,189,339	1.73	\$12,451,935	\$48,742,881	0.56	\$27,442,242	\$0	1.36	\$0
Pasco	\$2,075,298	1.56	\$3,229,164	\$10,036,209	0.51	\$5,068,286	\$0	1.23	\$0
Pinellas	\$7,551,629	1.56	\$11,750,335	\$44,045,969	0.51	\$22,243,214	\$524,219	1.23	\$644,789

Polk	\$2,049,203	1.56	\$3,188,559	\$10,224,281	0.51	\$5,163,262	\$462,467	1.23	\$568,834
Putnam	\$211,635	1.92	\$407,186	\$1,014,193	0.59	\$601,416	\$0	1.50	\$0
Saint Johns	\$1,008,408	1.56	\$1,569,082	\$5,813,983	0.51	\$2,936,061	\$110,978	1.23	\$136,502
Saint Lucie	\$2,139,739	1.56	\$3,329,434	\$5,382,400	0.51	\$2,718,112	\$0	1.23	\$0
Santa Rosa	\$0	1.56	\$0	\$4,343,839	0.51	\$2,193,639	\$124,712	1.23	\$153,396
Sarasota	\$1,110,282	1.56	\$1,727,599	\$20,526,108	0.51	\$10,365,685	\$259,480	1.23	\$319,161
Seminole	\$2,668,617	1.56	\$4,152,367	\$8,865,963	0.51	\$4,477,311	\$348,180	1.23	\$428,261
Sumter	\$0	1.56	\$0	\$243,874	0.51	\$123,156	\$0	1.23	\$0
Suwannee	\$148,501	1.92	\$285,715	\$0	0.59	\$0	\$0	1.50	\$0
Taylor	\$128,375	1.92	\$246,994	\$573,779	0.59	\$340,251	\$0	1.50	\$0
Union	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Volusia	\$1,493,700	1.56	\$2,324,196	\$12,019,214	0.51	\$6,069,703	\$280,049	1.23	\$344,460
Wakulla	\$0	1.92	\$0	\$0	0.59	\$0	\$0	1.50	\$0
Walton	\$0	1.92	\$0	\$1,984,550	0.59	\$1,176,838	\$0	1.50	\$0
Washington	\$0	1.92	\$0	\$177,124	0.59	\$105,034	\$0	1.50	\$0
Notes	[B]	[C]	[D]	[B]	[C]	[D]	[B]	[C]	[D]
Notes									
[B] All figures are calculated by authors as summed totals using gross compensation figures reported in [S2].									
[C] All figures represent the ratio of practice expenses to compensation and allocated back to counties based on urbanization status and population size.									
[D] All figures are calculated by authors using figures in adjacent columns: (PE to Compensation Ratio) * (Total Compensation).									
Sources									
[S1] Unruh, L. & Rutherford, A. Table C-3. Certified Nurse Midwives, Certified Registered Nurse Anesthetists & Clinical Nurse Specialist Compensation by County, July 2014. University of Central Florida, Florida Center for Nursing.									
[S2] Unruh, L. & Rutherford, A. Table C-4. APRN Gross Compensation, by County, 2013. University of Central Florida, Florida Center for Nursing.									

Table C-7. Potential Changes in Supply & Demand for ARNPs, by County, 2013

COUNTY	POTENTIAL INCREASE IN SUPPLY DUE TO LESS RESTRICTIVE REGULATION		DEMOGRAPHIC INCREASE IN CURRENT APRN DEMAND WITHOUT ACA	ACA_REALTED INCREASE IN CURRENT APRN DEMAND		PERCENTAGE OF ACA SUPPLY THAT IS ABSORBED BY APRN DEMAND				PERCENTAGE OF APRN SUPPLY THAT IS ABSORBED BY TOTAL DEMAND INCREASE			
	Lower Bound (Based on APRN Compensation)	Upper Bound (Based on APRN Compensation +Practice Expenses)		Without Medicaid Expansion	With Medicaid Expansion	Without Medicaid Expansion: Lower Bound	Without Medicaid Expansion: Upper Bound	With Medicaid Expansion: Lower Bound	With Medicaid Expansion: Upper Bound	Without Medicaid Expansion: Lower Bound	Without Medicaid Expansion: Upper Bound	With Medicaid Expansion: Lower Bound	With Medicaid Expansion: Upper Bound
State Total	\$272,878,616	\$627,570,964	\$547,901,187	\$359,009,868	\$549,727,364	132%	57%	201%	88%	332%	145%	402%	175%
Alachua	\$8,792,816	\$22,787,806	\$15,085,164	\$ 23,252,303	\$22,438,427	264%	102%	255%	98%	436%	168%	427%	165%
Baker	\$129,459	\$358,214	\$ 277,781	\$162,162	\$186,939	125%	45%	144%	52%	340%	123%	359%	130%
Bay	\$3,103,925	\$6,441,226	\$4,931,641	\$5,655,327	\$7,086,633	182%	88%	228%	110%	341%	164%	387%	187%
Bradford	\$132,269	\$344,157	\$260,232	\$179,995	\$ 211,809	136%	52%	160%	62%	333%	128%	357%	137%
Brevard	\$6,268,732	\$14,045,696	\$10,197,476	\$9,472,510	\$11,568,570	151%	67%	185%	82%	314%	140%	347%	155%
Broward	\$22,566,438	\$53,592,647	\$29,557,145	\$61,505,948	\$74,891,624	273%	115%	332%	140%	404%	170%	463%	195%
Calhoun	\$126,489	\$312,770	\$ 170,074	\$348,837	\$368,246	276%	112%	291%	118%	410%	166%	426%	172%
Charlotte	\$2,173,136	\$4,697,852	\$3,227,412	\$2,553,575	\$3,237,665	118%	54%	149%	69%	266%	123%	297%	138%
Citrus	\$1,230,447	\$2,743,641	\$1,974,186	\$1,590,141	\$1,744,238	129%	58%	142%	64%	290%	130%	302%	136%
Clay	\$2,016,940	\$4,460,740	\$5,923,755	\$1,610,851	\$2,123,415	80%	36%	105%	48%	374%	169%	399%	180%
Collier	\$4,319,803	\$9,154,053	\$10,736,890	\$5,175,731	\$6,266,214	120%	57%	145%	68%	368%	174%	394%	186%
Columbia	\$1,035,100	\$2,788,136	\$1,915,978	\$1,682,499	\$1,985,911	163%	60%	192%	71%	348%	129%	377%	140%
DeSoto	\$358,966	\$835,618	\$139,432	\$5,908,425	\$6,068,756	1646%	707%	1691%	726%	1685%	724%	1729%	743%
Dixie	\$29,826	\$82,528	\$59,790	\$39,409	\$42,626	132%	48%	143%	52%	333%	120%	343%	124%
Duval	\$16,851,457	\$37,866,851	\$26,948,389	\$33,433,111	\$40,527,673	198%	88%	240%	107%	358%	159%	400%	178%
Escambia	\$6,647,751	\$14,104,102	\$6,479,286	\$20,494,527	\$23,891,319	308%	145%	359%	169%	406%	191%	457%	215%
Flagler	\$709,909	\$1,679,824	\$2,848,232	\$483,487	\$536,317	68%	29%	76%	32%	469%	198%	477%	201%
Franklin	\$79,763	\$200,980	\$91,925	\$219,014	\$250,833	275%	109%	314%	125%	390%	155%	430%	171%
Gadsden	\$290,660	\$801,058	\$468,762	\$855,459	\$860,006	294%	107%	296%	107%	456%	165%	457%	166%
Gilchrist	\$87,087	\$240,970	\$198,143	\$138,290	\$150,199	159%	57%	172%	62%	386%	140%	400%	145%
Glades	\$27,152	\$75,129	\$28,703	\$103,646	\$118,381	382%	138%	436%	158%	487%	176%	542%	196%
Gulf	\$166,044	\$437,123	\$268,562	\$286,926	\$ 330,205	173%	66%	199%	76%	335%	127%	361%	137%
Hamilton	\$25,965	\$71,844	\$43,484	\$48,113	\$52,078	185%	67%	201%	72%	353%	127%	368%	133%
Hardee	\$72,709	\$201,185	\$46,843	\$829,279	\$854,925	1141%	412%	1176%	425%	1205%	435%	1240%	448%
Hendry	\$199,038	\$516,824	\$217,255	\$1,402,790	\$1,488,478	705%	271%	748%	288%	814%	313%	857%	330%
Hernando	\$1,810,541	\$4,055,447	\$4,288,776	\$1,781,448	\$2,248,409	98%	44%	124%	55%	335%	150%	361%	161%
Highlands	\$1,155,002	\$2,759,039	\$1,742,419	\$2,154,846	\$2,507,350	187%	78%	217%	91%	337%	141%	368%	154%
Hillsborough	\$27,337,347	\$64,142,665	\$63,521,977	\$41,245,098	\$49,955,055	151%	64%	183%	78%	383%	163%	415%	177%
Holmes	\$82,826	\$229,181	\$ 96,036	\$252,984	\$273,263	305%	110%	330%	119%	421%	152%	446%	161%
Indian River	\$1,299,482	\$2,942,966	\$ 2,785,401	\$1,634,968	\$1,967,554	126%	56%	151%	67%	340%	150%	366%	162%
Jackson	\$762,435	\$1,923,535	\$855,776	\$1,695,143	\$1,964,790	222%	88%	258%	102%	335%	133%	370%	147%
Jefferson	\$35,854	\$99,207	\$62,893	\$57,660	\$64,162	161%	58%	179%	65%	336%	122%	354%	128%
Lafayette	\$40,167	\$111,142	\$69,479	\$109,597	\$117,444	273%	99%	292%	106%	446%	161%	465%	168%
Lake	\$3,169,157	\$6,983,001	\$9,720,049	\$2,425,583	\$3,004,505	77%	35%	95%	43%	383%	174%	402%	182%
Lee	\$9,260,670	\$20,182,419	\$28,240,535	\$9,356,490	\$11,221,872	101%	46%	121%	56%	406%	186%	426%	196%
Leon	\$5,814,046	\$13,048,293	\$8,820,229	\$16,203,459	\$ 16,108,444	279%	124%	277%	123%	430%	192%	429%	191%

Levy	\$246,454	\$634,182	\$455,622	\$517,498	\$553,997	210%	82%	225%	87%	395%	153%	410%	159%
Liberty	\$52,578	\$147,516	\$81,584	\$131,008	\$136,852	249%	89%	260%	93%	404%	144%	415%	148%
Madison	\$150,063	\$389,692	\$163,083	\$504,695	\$557,074	336%	130%	371%	143%	445%	171%	480%	185%
Manatee	\$3,567,522	\$7,627,556	\$8,872,473	\$4,168,686	\$4,947,785	117%	55%	139%	65%	366%	171%	387%	181%
Marion	\$4,320,598	\$9,583,565	\$10,575,474	\$5,205,278	\$5,821,102	120%	54%	135%	61%	365%	165%	379%	171%
Martin	\$2,612,757	\$5,732,114	\$4,411,061	\$3,227,494	\$4,003,480	124%	56%	153%	70%	292%	133%	322%	147%
Miami-Dade	\$35,583,943	\$84,900,189	\$66,622,273	\$99,650,739	\$115,384,547	280%	117%	324%	136%	467%	196%	511%	214%
Monroe	\$548,450	\$1,464,268	\$975,086	\$935,445	\$1,157,606	171%	64%	211%	79%	348%	130%	389%	146%
Nassau	\$474,853	\$1,181,830	\$1,581,144	\$302,639	\$375,106	64%	26%	79%	32%	397%	159%	412%	166%
Okaloosa	\$2,113,961	\$4,551,049	\$2,735,381	\$4,826,161	\$5,837,816	228%	106%	276%	128%	358%	166%	406%	188%
Okeechobee	\$233,784	\$616,504	\$251,709	\$1,021,324	\$1,139,191	437%	166%	487%	185%	545%	206%	595%	226%
Orange	\$21,370,233	\$50,064,110	\$53,844,212	\$41,360,661	\$48,550,037	194%	83%	227%	97%	446%	190%	479%	205%
Osceola	\$2,266,528	\$5,064,944	\$9,550,592	\$3,052,305	\$3,542,502	135%	60%	156%	70%	556%	249%	578%	259%
Palm Beach	\$19,294,910	\$45,065,192	\$32,428,335	\$33,499,906	\$40,002,776	174%	74%	207%	89%	342%	146%	375%	161%
Pasco	\$4,575,530	\$10,243,573	\$11,147,735	\$4,823,139	\$5,943,238	105%	47%	130%	58%	349%	156%	374%	167%
Pinellas	\$18,186,864	\$40,266,313	\$18,197,103	\$43,587,216	\$53,405,421	240%	108%	294%	133%	340%	153%	394%	178%
Polk	\$5,530,337	\$12,562,073	\$14,066,612	\$8,069,308	\$9,406,234	146%	64%	170%	75%	400%	176%	424%	187%
Putnam	\$405,958	\$998,051	\$335,459	\$2,138,060	\$2,137,534	527%	214%	527%	214%	609%	248%	609%	248%
Saint Johns	\$2,168,034	\$4,741,730	\$8,801,957	\$1,021,402	\$1,254,973	47%	22%	58%	26%	453%	207%	464%	212%
Saint Lucie	\$2,959,105	\$6,747,601	\$8,046,173	\$3,725,743	\$4,275,916	126%	55%	145%	63%	398%	174%	416%	183%
Santa Rosa	\$1,471,043	\$3,167,797	\$3,868,286	\$1,787,601	\$1,986,138	122%	56%	135%	63%	384%	179%	398%	185%
Sarasota	\$6,155,248	\$13,029,788	\$10,238,305	\$6,916,250	\$8,582,430	112%	53%	139%	66%	279%	132%	306%	144%
Seminole	\$4,192,331	\$9,418,967	\$7,388,389	\$6,333,511	\$8,275,772	151%	67%	197%	88%	327%	146%	374%	166%
Sumter	\$392,855	\$941,590	\$2,554,565	\$56,350	\$63,362	14%	6%	16%	7%	665%	277%	666%	278%
Suwannee	\$108,246	\$302,040	\$197,672	\$208,960	\$234,915	193%	69%	217%	78%	376%	135%	400%	143%
Taylor	\$274,735	\$689,488	\$376,744	\$520,625	\$585,339	190%	76%	213%	85%	327%	130%	350%	140%
Union	\$87,257	\$241,440	\$131,254	\$117,201	\$133,777	134%	49%	153%	55%	285%	103%	304%	110%
Volusia	\$4,395,199	\$9,581,680	\$6,635,050	\$8,592,629	\$10,164,309	196%	90%	231%	106%	346%	159%	382%	175%
Wakulla	\$144,097	\$398,717	\$326,313	\$171,197	\$199,187	119%	43%	138%	50%	345%	125%	365%	132%
Walton	\$490,927	\$1,106,304	\$1,709,850	\$517,927	\$593,155	105%	47%	121%	54%	454%	201%	469%	208%
Washington	\$294,808	\$793,234	\$355,929	\$800,049	\$866,280	271%	101%	294%	109%	392%	146%	415%	154%
Notes	[A]	[B]	[C]	[D]	[E]	[F]				[G]			

SI>Note: All figures are based on 2013 estimates of the number of APRNs by county but are monetized using 2014 compensation estimates. All projections of changes in supply and demand assume that all changes shown had counterfactually been fully in place by 2013. Thus, they represent the permanent annual increase in supply/demand that would be expected as a consequence of these policy and population changes.

Notes

[A] All figures are calculated by authors by multiplying gross APRN compensation in 2013 as reported in [S4] times the estimated increase in the growth rates of APRN's between 2013 and 2025 if Florida were to follow the lead of states that impose the least restrictions on scope of practice, as reported in [P1]. This estimated increase is based on an empirical analysis of state differences in scope of practice regulations for nurse practitioners [S3]. For purposes of analyses, it is assumed that similar effects would be observed were parallel scope of practice restrictions reduced for CERTIFIED REGISTERED NURSE ANESTHETISTS, CERTIFIED NURSE MIDWIVES, and CLINICAL NURSE SPECIALISTS.

[B] All figures are calculated by authors by multiplying APRN practice outlays in 2013, as reported in [S5], times the estimated increase in growth rate of APRNs between 2013 and 2025 if Florida were to follow the lead of states that impose the least restrictions on scope of practice, as reported in [P1].

[C] All figures are calculated by authors by multiplying gross APRN compensation in 2013, as reported in [S4], times the estimated increase in demand for APRNs between 2013 and 2025 based purely on changes in total population and a changing age mix as reported in [S3].

[D] All figures are calculated by authors by multiplying gross APRN compensation in 2013 as reported in [S4] times the estimated increase in demand for APRNs between 2013 and 2025 based on the estimated increase in federal expenditures in Florida under the Affordable Care Act (assuming no Medicaid expansion), as reported in [S3].

[E] All figures are calculated by authors by multiplying gross APRN compensation in 2013 as reported in [S4] times the estimated increase in demand for APRNs between 2013 and 2025 based on the estimated increase in federal expenditures in Florida under the Affordable Care Act (assuming Medicaid expansion or its equivalent prior to 2025), as reported in [S3].

[F] All figures are calculated by authors by dividing figures shown in adjacent columns for ACA-related increase in demand by the potential increase in supply due to deregulation.

[G] All figures are calculated by authors by dividing figures shown in adjacent columns for increase in demand by the potential increase in supply due to demographic increases in demand without ACA.

Parameters		
[P1] Estimated Increase in APRN Supply if Florida Adopted Least Restrictive Scope-of-Practice Regulations		
Parameter	Description	Note
98	2013 NPs / 100,000 in Florida	[P1a]
10.6	Potential increase of NPs / 100,000 under least restrictive scope of practice [S6]	[P1b]
10.82%	Estimate percentage increase in APRNs under least restrictive scope of practice regulations	[P1c]
[P1a]	Figure calculated from total active NPs in 2013 reported in [S1] and total population figures reported in [S2].	
[P1b]	Figure shown is the net increase in NPs / 100,000 in states with least restrictive scope of practice regulations as reported in Model 3 Results reported in [S6].	
[P1c]	Figure shown is calculated by authors; 10.6 / 98. This is a conservative estimate since the baseline supply of NPs / 100,000 in states with no restrictions was 26.27, as reported in Table 2 of [S6]. Thus, the incremental growth in supply in such states relative to this baseline = 40.5%.	
Sources		
[S1] Unruh, L. & Rutherford, A. Table C-1. Active Advanced Practice RNs by County. University of Central Florida, Florida Center for Nursing.		
[S2] Unruh, L. & Rutherford, A. Table B-1. Estimated Change in Health Expenditures due to Population Growth & Aging from 2013-2025, by County. University of Central Florida, Florida Center for Nursing.		
[S3] Unruh, L. & Rutherford, A. Table B-4. Estimated Increase in Health Expenditures due to Affordable Care Act, by County. University of Central Florida, Florida Center for Nursing.		
[S4] Unruh, L. & Rutherford, A. Table C-4. APRN Gross Compensation, by County. University of Central Florida, Florida Center for Nursing.		
[S5] Unruh, L. & Rutherford, A. Table C-6. APRN Practice Outlays, by County. University of Central Florida, Florida Center for Nursing.		
[S6] Reagan, Patricia B. & Pamela J. Salsberry. <i>The Effects of State-Level Scope-of-Practice Regulations on the Number & Growth of Nurse Practitioners</i> . <i>Nursing Outlook</i> 61 (2013): 392-399.		

Table C-8. Potential Impact of Less Restrictive Regulation of ARNPs on Florida Physician Shortages

TYPE OF PHYSICIAN	NUMBER OF ACTIVE MDs IN FLORIDA, 2013	PHYSICIAN SHORTAGE IN 2025		ARNP COMPARATOR	FTE ARNPs in FLORIDA, 2013		MD SUBSTITUTION RATIO	INCREASE IN MD EQUIVALENTS UNDER LESS RESTRICTIVE ARNP REGULATION		
		As a % of Supply	Number Needed to Eliminate Shortage					Total Number	As a % of 2013 MD Supply	As a % of MD Shortage
		Estimate	Estimate						Estimate	Estimate
Primary Care MDs	14,502			NPs	13,530	1,464	75%	1,098	7.6%	103.6%
		28.9%	1,060	CNSs	103	11	50%	6	0.0%	0.5%
				Subtotal	13,633	1,475	70%	1,104	7.6%	104.1%
OB/GYNs	1,851	18%	450	CNMs	794	86	80%	69	3.7%	15.3%
Anesthesiologists	2,322	8.3%	650	CRNAs	2,915	315	76%	240	10.3%	36.9%
All comparator phys	18,675		2,160	All ARNPs	17,343	1,876	72%	1,351	7.2%	62.5%
Notes	[A]	[B]	[C]		[D]	[E]	[F]	[G]	[H]	

Notes

[A] All figures are summed county frequencies of physicians active in each type of profession, as reported in [S1]. (Primary Care MDs include family medicine, internal medicine, and pediatric medicine.)

[B] All estimates of percentage supply are reported in [S13] for primary care physicians, [S14] for OB/GYNs, and [S15] for Anesthesiologists.

[C] All figures are calculated by authors: (Number of Active MDs, 2013) * (MD Shortage as a Percent of Supply). This understates the actual number of additional MDs would be needed in 2025. However, because the projected APRN supply expansion also is pegged to the 2013 count of APRNs, the figures are a more appropriate gauge of determining the extent to which less restrictive regulation of APRNs would reduce pending physician shortages.

[D] All figures are reported in [S2].

[E] All figures are calculated by authors: (FTE APRNs, 2013) * (Percentage Increase Under Less Restrictive Regulation of APRNs). The latter parameter (10.82%) is reported in [S7], based on the analysis of the estimated increase in NP supply in states (including Florida) with the most restrictive regulations regarding NP scope of practice [S9].

[F] All figures are calculated in Parameters [P1].

[G] All figures are calculated by authors: (Increase in FTE APRNs) * (MD Substitution Ratio).

[H] All figures are calculated by authors using figures in adjacent columns.

Parameters

[P3] MD Substitution Ratios			
Substitution Ratio	Type of APRN	Physician Comparator	Notes
75.0%	NPs	Primary Care MDs	[P1a]
50.0%	CNSs	Primary Care MDs	[P1b]
80.2%	CNMs	OB/GYNs	[P1c]
75.5 %	CRNAs	Anesthesiologists	[P1d]
[P1a]	Conover and Richards (2015) report that: "A recent HRSA report [S8: p.28] employs a 0.75 weighting to NPs and PAs relative to primary care physicians. This weighting reflects the consensus of the Negotiated Rulemaking Committee on the Designation of Medically Underserved Populations and Health Professional Shortage Areas. The ratio reflects differences in both the demographic make-up of each profession and practice styles. That is, a higher fraction of NPs are female, who in turn, tend to work fewer hours than their counterparts who are male. NPs typically spend more time per visit with patients, doing more patient education, for example. As HRSA cautioned in reporting this ratio, "It is important to note that the Committee did not intend for this weighting to represent the general relative cost or value of NP and PA services compared with physician services. The Committee also acknowledged that these providers often deliver a different set of services than a physician, and that weighting them at 1.0 would overstate the assessment of primary care capacity.""		
[P1b]	Conover and Richards (2015) report that : "There is no commonly accepted equivalency standard for CNSs. "CNSs are engaged in direct clinical practice; function as consultants in their area of expertise; provide expert coaching and guidance; interpret, evaluate, and participate in research; provide clinical and professional leadership; collaborate; and employ ethical decision making" [S10]. In light of the solid evidence that CNSs reduce the need for inpatient care, as one example, the reduction in patient needs for various medical services may have at least as important in alleviating physician shortages as any direct substitution of CNS for MD services. Thus, depending on their training, the services CNSs perform can reduce the need for a variety of specialists ranging from OB/GYN physicians to general internists. But in light of the lack of solid evidence regarding how many fewer physicians might be required for every 100 CNSs, authors conservatively use a weighting of .5, which is the ratio HRSA formerly applied to NPs when determining the number of FTE primary care providers for purposes of designating Health Professional Shortage Areas [S12: 117]."		
[P1c]	Conover and Richards (2015) report that: "Current Medicare payment rules imply that CNMs have the equivalent productivity as physicians who deliver the identical services. However, AMA survey data show that average weekly hours of patient care were nearly identical for OB-GYNs and MDAs in 1998. These 1998 figures are from an annual survey conducted by the AMA annually (but which ceased in 1999), as reported in Exhibit 10 at [S11]. Average weekly hours have unquestionably declined in the interim (MDAs reported 57 patient care hours weekly in 1998 compared to 49 hours reported in in [S4], while OB-GYNs reported 58 patient care hours. For purposes of analysis, it was assumed that current OB-GYN hours = 58 x 49/57, implying OB-GYN hours declined at the identical rate as for MDAs. Assuming weekly work hours declined at the same rate in both professions, the equivalent figure currently would be 50 hours. In Florida, the typical workweek for CNMs is 40 hours, implying one FTE CNM would substitute for about 80 percent of an OB-GYN. The figure shown is calculated by authors: 40/(58*49/57)."		

[P1d]	Conover and Richards (2015) report that: "A RAND Corporation study showed that CRNAs spend 37 hours weekly on procedures while the parallel figure for anesthesiologists (MDAs) is 49 hours [S4]. Thus, even though productivity of CRNAs and MDAs are equivalent in terms of productivity per case (as reflected by Medicare payment rules), one FTE CRNA only can substitute for 75 percent of an MDA due to the latter's longer clinical workweek. The figure shown is calculated by authors: 37/49."
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Sources

- [S1] Florida Department of Health. 2013 Physician Workforce Annual Report. *Physician Workforce Specialty Group Counts by County, 2012-2013*. Available at http://www.floridahealth.gov/provider-and-partner-resources/community-health-workers/physician-workforce-development-and-recruitment/physician_workforce13final.pdf.
- [S2] Unruh, L. & Rutherford, A. Table C-1. Active Advanced Practice RNs by County, 2013. University of Central Florida, Florida Center for Nursing.
- [S3] Satiani, Bhagwan. "A Critical Deficit of Obgyn Surgeons in the U.S by 2030." *Surgical Science* 02, no. 02 (2011): 95-101.
- [S4] Daugherty, Lindsay, Raquel Fonseca, Krishna B. Kumar and Pierre-Carl Michaud. *An Analysis of the Labor Markets for Anesthesiology*. Santa Monica, CA: RAND Health, RAND Corporation, 2010.
- [S5] Unruh, L. & Rutherford, A. Table B-4. Estimated Increase in Health Expenditures Due to Affordable Care Act, by County. University of Central Florida, Florida Center for Nursing.
- [S6] Burke, Amy, Arpit Misra, and Steven Sheingold. *Premium Affordability, Competition, and Choice in the Health Insurance Marketplace*, ASPE Research Brief, June 18, 2014. Available at: <http://aspe.hhs.gov/health/reports/2014/Premiums/2014MktPlacePremBrf.pdf> (accessed December 20, 2014).
- [S7] Unruh, L. & Rutherford, A. Table C-7. Potential Changes in Supply & Demand for APRNs, by County 2013. University of Central Florida, Florida Center for Nursing.
- [S8] HRSA (Health Resources and Services Administration), National Center for Health Workforce Analysis. *Projecting the Supply and Demand for Primary Care Practitioners through 2020*. Rockville, MD: U.S. Department of Health and Human Services, 2013.
- [S9] Reagan, Patricia B. and Pamela J. Salsberry. *The Effects of State-Level Scope-of-Practice Regulations on the Number and Growth of Nurse Practitioners*. *Nursing Outlook* 61 (2013): 392-399.
- [S10] O'Grady, Eleanor T. "Advanced Practice Registered Nurses: The Impact on Patient Safety and Quality." In *Patient Safety and Quality: An Evidence Based Handbook for Nurses*, edited by Hughes R.G. Rockville (MD): Agency for Healthcare Research and Quality, 2008.
- [S11] HRSA (Health Resources Services Administration), Bureau of Health Professions. *The Physician Workforce: Projections and Research into Current Issues Affecting Supply and Demand*. Washington, DC, 2008.
- [S12] North Carolina Institute of Medicine. *Providers in Demand: North Carolina's Primary Care and Specialty Supply*. Durham, NC: NCIOM Task Force on Primary Care and Specialty Supply, 2007.
- [S13] The Robert Graham Center. Florida: Projecting Primary Care Physician Workforce. Available at <http://www.graham-center.org/content/dam/rgc/documents/maps-data-tools/state-collections/workforce-projections/Florida.pdf>
- [S14] American College of Obstetrics & Gynecologists. 2014 ACOG Workforce Fact Sheet: Florida. Available at www.acog.org/-/.../WF2011FL.
- [S15] Daugherty, L., Fonseca, R., Kumar, K. B., & Michaud, P. C. (2010). An Analysis of the Labor Markets for Anesthesiology. Table 4.8 Market Disequilibrium Estimates for Anesthesiologists. Available at http://www.rand.org/pubs/technical_reports/TR688.html.

Appendix D: Economic Impact of Less Restrictive ARNP Regulation

Appendix D provides data on the annual economic impact of removing current restrictions on ARNP practice in the state. Using an input-output multiplier, the tables project increases in total economic output, value added, payroll, and employment for estimates of the increases in ARNP demand given ARNP compensation and ARNP compensation plus practice expenses. The tables show the multipliers used in making these calculations. These results are presented at the state and workforce region (Table D-1), workforce sub-region (Table D-2), and county (Table D-3) levels.

Table D-1. Annual Economic Impact of Less Restrictive ARNP Regulations, by Workforce Regions, 2013

Workforce Regions	POTENTIAL INCREASE IN SPENDING ON ARNPS DUE TO LESS RESTRICTIVE REGULATION		TOTAL OUTPUT MULTIPLIERS				NET ECONOMIC IMPACT IN FLORIDA							
							Lower-Bound Estimate				Upper-Bound Estimate			
	Lower Bound (based on ARNP compensation)	Upper Bound (based on ARNP compensation + practice expenses)	Output	Value-added	Labor income	Employment	Total expenditures (output)	Value added (gross product)	Labor Income (wages & benefits)	Employment (permanent jobs)	Total expenditures (output)	Value added (gross product)	Labor Income (wages & benefits)	Employment (permanent jobs)
Statewide	\$272,878,616	\$627,570,964	1.988	1.244	0.872	16.557	\$542,566,369	\$339,544,877	\$237,974,810	4,518	\$1,247,803,528	\$780,891,185	\$547,298,587	10,390
Northwest	\$15,392,549	\$33,414,817	1.991	1.246	0.871	16.588	\$30,641,873	\$19,174,805	\$13,409,607	255	\$66,518,714	\$41,625,502	\$29,110,159	554
North Central	\$22,845,686	\$55,357,905	1.991	1.246	0.871	16.591	\$45,486,507	\$28,462,932	\$19,905,730	379	\$110,219,395	\$68,969,182	\$48,234,030	918
Northeast	\$3,674,450	\$8,267,903	1.989	1.245	0.871	16.577	\$7,308,666	\$4,574,779	\$3,199,988	61	\$16,445,274	\$10,293,738	\$7,200,313	137
East Central	\$5,345,618	\$12,222,477	1.985	1.243	0.869	16.553	\$10,611,606	\$6,644,340	\$4,647,482	88	\$24,262,883	\$15,191,937	\$10,626,226	202
West Central	\$68,750,065	\$155,723,256	2.004	1.252	0.888	16.508	\$137,777,478	\$86,043,980	\$61,038,553	1,135	\$312,074,722	\$194,895,070	\$138,256,191	2,571
Southeast	\$26,400,039	\$61,104,376	1.983	1.242	0.869	16.530	\$52,345,460	\$32,789,260	\$22,951,604	436	\$121,156,514	\$75,892,590	\$53,122,779	1,010
Southwest	\$15,979,800	\$34,626,278	1.987	1.244	0.870	16.551	\$31,746,096	\$19,876,320	\$13,907,601	264	\$68,789,920	\$43,069,562	\$30,136,077	573
South	\$58,698,831	\$139,957,104	1.977	1.237	0.866	16.555	\$116,054,548	\$72,638,801	\$50,858,153	972	\$276,711,790	\$173,194,528	\$121,262,378	2,317
Notes	[A]		[B]				[C]							

Note: All figures are based on 2013 estimates of the number of APRNs by county (the latest available figures) but are monetized using 2014 compensation estimates. All projections of changes in supply and demand assume that all changes shown (which actually would occur gradually between 2013 and 2025) had counterfactually been fully in place by 2013. Thus, they represent the permanent annual increase in supply/demand that would be expected as a consequence of these policy and population changes.

Notes

[A] All figures are from [S1].

[B] Figures shown are total output multipliers inclusive of direct, indirect and induced effects for industry groups 475, 476, & 477, Offices of physicians, dentists, and other health practitioners, as compiled by authors using [S2].

[C] All figures are calculated by authors using figures shown (columns [A] and [B] X multipliers in columns B).

Sources

[S1] Unruh, L. & Rutherford, A. Table C-7. Potential Changes in Supply and Demand for APRNs, by County, 2013. University of Central Florida, Florida Center for Nursing.

[S2] IMPLAN Group, LLC. *IMPLAN System* (data and software), 16740 Birkdale Commons Pkwy, Suite 206, Huntersville, NC 28078 www.implan.com

Table D-2. Annual Economic Impact of Less Restrictive ARNP Regulations, by Workforce Sub-Region, 2013

Workforce Sub-Regions	POTENTIAL INCREASE IN SPENDING ON ARNPS DUE TO LESS RESTRICTIVE REGULATION		TOTAL OUTPUT MULTIPLIERS				NET ECONOMIC IMPACT IN FLORIDA							
							Lower-Bound Estimate				Upper-Bound Estimate			
	Lower Bound (Based on ARNP Compensation)	Upper Bound (Based on ARNP Compensation + Practice Expenses)	Out-put	Value-Added	Labor Income	Employ-ment	Total Expenditures (Output)	Value Added (Gross Product)	Labor Income (Wages & Benefits)	Employ-ment (Perma-nent Jobs)	Total Expenditures (Output)	Value Added (Gross Product)	Labor Income (Wages & Benefits)	Employ-ment (Perma-nent Jobs)
Statewide	\$272,878,616	\$627,570,964	1.990	1.245	0.875	16.541	\$543,074,028	\$339,783,326	\$238,666,684	4,514	\$1,248,971,052	\$781,439,575	\$548,889,772	10,380
Northwest 1	\$8,118,794	\$17,271,899	1.986	1.243	0.870	16.559	\$16,124,531	\$10,093,782	\$7,061,207	134	\$34,303,283	\$21,473,483	\$15,021,992	286
Northwest 2	\$2,604,888	\$5,657,353	1.989	1.245	0.870	16.581	\$5,181,785	\$3,242,484	\$2,267,534	43	\$11,253,916	\$7,042,098	\$4,924,681	94
Northwest 3	\$1,319,136	\$3,406,235	1.993	1.247	0.872	16.601	\$2,628,412	\$1,644,571	\$1,150,042	22	\$6,787,011	\$4,246,564	\$2,969,607	57
Northwest 4	\$3,349,732	\$7,079,329	1.992	1.246	0.872	16.591	\$6,671,612	\$4,174,953	\$2,919,371	56	\$14,099,795	\$8,823,353	\$6,169,804	117
North Central 5	\$6,248,804	\$14,248,068	1.990	1.246	0.871	16.583	\$12,436,416	\$7,783,034	\$5,443,691	104	\$28,356,611	\$17,746,309	\$12,412,308	236
North Central 6	\$635,029	\$1,663,413	1.992	1.247	0.872	16.598	\$1,265,186	\$791,641	\$553,600	11	\$3,314,061	\$2,073,645	\$1,450,115	28
North Central 7	\$1,239,270	\$3,353,074	1.992	1.247	0.872	16.599	\$2,468,908	\$1,544,790	\$1,080,272	21	\$6,680,088	\$4,179,717	\$2,922,877	56
North Central 9	\$8,925,085	\$23,131,963	1.990	1.245	0.871	16.580	\$17,756,815	\$11,112,700	\$7,771,840	148	\$46,021,969	\$28,801,805	\$20,142,993	384
North Central 10	\$5,797,499	\$12,961,388	1.989	1.244	0.870	16.581	\$11,529,323	\$7,214,319	\$5,046,045	96	\$25,775,946	\$16,128,953	\$11,281,373	215
Northeast 8	\$22,046,702	\$49,607,416	1.989	1.245	0.871	16.577	\$43,851,998	\$27,448,674	\$19,199,930	365	\$98,671,645	\$61,762,426	\$43,201,877	822
East Central 11	\$5,105,107	\$11,261,504	1.987	1.244	0.870	16.576	\$10,145,690	\$6,349,245	\$4,440,717	85	\$22,380,672	\$14,005,983	\$9,795,907	187
East Central 12	\$31,391,105	\$72,472,612	1.985	1.243	0.870	16.548	\$62,320,673	\$39,032,002	\$27,298,057	519	\$143,879,675	\$90,113,144	\$63,022,996	1,199
East Central 13	\$6,268,732	\$14,045,696	1.980	1.239	0.867	16.533	\$12,409,716	\$7,767,895	\$5,437,695	104	\$27,805,161	\$17,404,716	\$12,183,679	232
West Central 14	\$18,186,864	\$40,266,313	1.986	1.244	0.870	16.538	\$36,110,914	\$22,619,326	\$15,827,428	301	\$79,950,748	\$50,079,930	\$35,042,445	666
West Central 15	\$27,337,347	\$64,142,665	1.979	1.243	0.871	16.418	\$54,098,207	\$33,992,837	\$23,797,645	449	\$126,932,697	\$79,758,697	\$55,837,327	1,053
West Central 16	\$6,386,071	\$14,299,020	1.985	1.243	0.869	16.549	\$12,678,045	\$7,936,058	\$5,552,551	106	\$28,387,349	\$17,769,589	\$12,432,690	237
West Central 17	\$5,530,337	\$12,562,073	1.979	1.239	0.868	16.518	\$10,943,701	\$6,852,037	\$4,798,317	91	\$24,858,443	\$15,564,293	\$10,899,300	208
West Central 18	\$9,795,478	\$20,858,528	2.048	1.271	0.929	16.440	\$20,058,795	\$12,445,235	\$9,103,007	161	\$42,713,273	\$26,500,931	\$19,383,977	343
West Central 19	\$1,586,677	\$3,795,841	2.052	1.273	0.931	16.464	\$3,255,521	\$2,019,413	\$1,476,491	26	\$7,788,253	\$4,831,084	\$3,532,241	62
Southeast 20	\$7,105,128	\$16,039,184	1.989	1.245	0.871	16.585	\$14,132,434	\$8,843,112	\$6,185,588	118	\$31,902,692	\$19,962,527	\$13,963,405	266
Southeast 21	\$19,294,910	\$45,065,192	1.958	1.232	0.865	16.309	\$37,773,844	\$23,764,361	\$16,681,711	315	\$88,224,589	\$55,504,040	\$38,961,803	735

Southwest 24	\$15,979,800	\$34,626,278	1.987	1.244	0.870	16.551	\$31,746,096	\$19,876,320	\$13,907,601	264	\$68,789,920	\$43,069,562	\$30,136,077	573
South 22	\$22,566,438	\$53,592,647	1.966	1.231	0.862	16.530	\$44,364,219	\$27,773,429	\$19,452,701	373	\$105,359,825	\$65,958,642	\$46,197,888	886
South 23	\$36,132,393	\$86,364,457	1.983	1.241	0.869	16.567	\$71,640,014	\$44,835,029	\$31,385,623	599	\$171,235,571	\$107,165,694	\$75,018,621	1,431
Notes	[A]		[B]				[C]							

Note: All figures are based on 2013 estimates of the number of APRNs by county (the latest available figures) but are monetized using 2014 compensation estimates. All projections of changes in supply and demand assume that all changes shown (which actually would occur gradually between 2013 and 2025) had counterfactually been fully in place by 2013. Thus, they represent the permanent annual increase in supply/demand that would be expected as a consequence of these policy and population changes.

Notes

[A] All figures are calculated by authors using [S1].

[B] Figures shown are total output multipliers inclusive of direct, indirect and induced effects for industry groups 475, 476, & 477, Offices of physicians, dentists, and other health practitioners, as compiled by authors using [S2].

[C] All figures are calculated by authors using multipliers shown (columns [A] and [B] X multipliers in columns B).

Sources

[S1] Unruh, L. & Rutherford, A. Table C-7. Potential Changes in Supply and Demand for APRNs, by County, 2013. University of Central Florida, Florida Center for Nursing.

[S2] IMPLAN Group, LLC. *IMPLAN System* (data and software), 16740 Birkdale Commons Pkwy, Suite 206, Huntersville, NC 28078 www.implan.com

Table D-3. Annual Economic Impact of Less Restrictive Regulation of ARNPs, by County, 2013

COUNTY	POTENTIAL INCREASE IN SPENDING ON ARNPS DUE TO LESS RESTRICTIVE REGULATION		TOTAL OUTPUT MULTIPLIERS				NET ECONOMIC IMPACT IN FLORIDA							
	Lower Bound (Based on ARNP Compensation)	Upper Bound (Based on ARNP Compensation + Practice Expenses)	Output	Value-Added	Labor Income	Employment	Lower-bound Estimates				Upper-bound Estimates			
							Total Expenditures (Output)	Value Added (Gross Product)	Labor Income (Wages & Benefits)	Employment (Permanent Jobs)	Total Expenditures (Output)	Value Added (Gross Product)	Labor Income (Wages & Benefits)	Employment (Permanent Jobs)
State Total	\$272,878,616	\$627,570,964	1.988	1.244	0.870	16.569	\$542,421,445	\$339,534,862	\$237,515,894	4,521	\$1,247,470,228	\$780,868,153	\$546,243,165	10,398
Alachua	\$8,792,816	\$22,787,806	1.987	1.244	0.870	16.564	\$17,470,573	\$10,935,004	\$7,648,180	146	\$45,277,420	\$28,339,584	\$19,821,323	377
Baker	\$129,459	\$358,214	1.992	1.247	0.872	16.599	\$257,921	\$161,381	\$112,855	2	\$713,666	\$446,541	\$312,269	6
Bay	\$3,103,925	\$6,441,226	1.989	1.245	0.871	16.569	\$6,175,222	\$3,865,342	\$2,702,730	51	\$12,814,744	\$8,021,310	\$5,608,672	107
Bradford	\$132,269	\$344,157	1.992	1.247	0.872	16.596	\$263,501	\$164,885	\$115,305	2	\$685,618	\$429,022	\$300,019	6
Brevard	\$6,268,732	\$14,045,696	1.980	1.239	0.867	16.533	\$12,409,716	\$7,767,895	\$5,437,695	104	\$27,805,161	\$17,404,716	\$12,183,679	232
Broward	\$22,566,438	\$53,592,647	1.966	1.231	0.862	16.530	\$44,364,219	\$27,773,429	\$19,452,701	373	\$105,359,825	\$65,958,642	\$46,197,888	886
Calhoun	\$126,489	\$312,770	1.993	1.247	0.872	16.601	\$252,055	\$157,711	\$110,286	2	\$623,260	\$389,974	\$272,706	5
Charlotte	\$2,173,136	\$4,697,852	1.990	1.245	0.871	16.582	\$4,323,796	\$2,705,812	\$1,892,649	36	\$9,347,115	\$5,849,382	\$4,091,499	78
Citrus	\$1,230,447	\$2,743,641	1.989	1.245	0.870	16.581	\$2,447,621	\$1,531,573	\$1,071,083	20	\$5,457,686	\$3,415,089	\$2,388,293	45
Clay	\$2,016,940	\$4,460,740	1.989	1.245	0.871	16.575	\$4,011,757	\$2,510,493	\$1,755,807	33	\$8,872,551	\$5,552,301	\$3,883,209	74
Collier	\$4,319,803	\$9,154,053	1.979	1.240	0.869	16.479	\$8,548,915	\$5,357,844	\$3,752,399	71	\$18,115,922	\$11,353,756	\$7,951,673	151
Columbia	\$1,035,100	\$2,788,136	1.991	1.246	0.871	16.596	\$2,061,079	\$1,289,551	\$901,798	17	\$5,551,704	\$3,473,525	\$2,429,076	46
DeSoto	\$358,966	\$835,618	1.992	1.247	0.872	16.597	\$715,133	\$447,471	\$312,922	6	\$1,664,719	\$1,041,644	\$728,433	14
Dixie	\$29,826	\$82,528	1.993	1.247	0.872	16.599	\$59,430	\$37,186	\$26,004	0	\$164,442	\$102,893	\$71,953	1
Duval	\$16,851,457	\$37,866,851	1.986	1.244	0.871	16.562	\$33,467,564	\$20,970,751	\$14,678,630	279	\$75,204,849	\$47,123,303	\$32,984,300	627
Escambia	\$6,647,751	\$14,104,102	1.985	1.243	0.870	16.551	\$13,195,620	\$8,262,384	\$5,780,413	110	\$27,996,293	\$17,529,765	\$12,263,929	233
Flagler	\$709,909	\$1,679,824	1.990	1.245	0.871	16.586	\$1,412,766	\$884,008	\$618,228	12	\$3,342,963	\$2,091,788	\$1,462,883	28
Franklin	\$79,763	\$200,980	1.993	1.247	0.872	16.602	\$158,953	\$99,456	\$69,547	1	\$400,514	\$250,599	\$175,238	3
Gadsden	\$290,660	\$801,058	1.992	1.246	0.871	16.596	\$578,886	\$362,202	\$253,302	5	\$1,595,406	\$998,227	\$698,099	13
Gilchrist	\$87,087	\$240,970	1.993	1.247	0.872	16.600	\$173,526	\$108,576	\$75,927	1	\$480,147	\$300,429	\$210,091	4
Glades	\$27,152	\$75,129	1.993	1.247	0.872	16.600	\$54,104	\$33,853	\$23,673	0	\$149,707	\$93,672	\$65,504	1

Gulf	\$166,044	\$437,123	1.993	1.247	0.872	16.601	\$330,887	\$207,035	\$144,775	3	\$871,084	\$545,035	\$381,131	7
Hamilton	\$25,965	\$71,844	1.992	1.247	0.872	16.597	\$51,727	\$32,367	\$22,635	0	\$143,128	\$89,560	\$62,630	1
Hardee	\$72,709	\$201,185	1.992	1.247	0.872	16.598	\$144,854	\$90,637	\$63,382	1	\$400,810	\$250,792	\$175,377	3
Hendry	\$199,038	\$516,824	1.992	1.246	0.872	16.598	\$396,494	\$248,082	\$173,493	3	\$1,029,543	\$644,173	\$450,493	9
Hernando	\$1,810,541	\$4,055,447	1.989	1.245	0.871	16.579	\$3,601,436	\$2,253,698	\$1,576,413	30	\$8,066,890	\$5,048,079	\$3,531,021	67
Highlands	\$1,155,002	\$2,759,039	1.991	1.246	0.871	16.592	\$2,299,629	\$1,438,904	\$1,006,352	19	\$5,493,293	\$3,437,215	\$2,403,946	46
Hillsborough	\$27,337,347	\$64,142,665	1.979	1.243	0.871	16.418	\$54,098,207	\$33,992,837	\$23,797,645	449	\$126,932,697	\$79,758,697	\$55,837,327	1,053
Holmes	\$82,826	\$229,181	1.992	1.247	0.872	16.600	\$165,030	\$103,259	\$72,210	1	\$456,639	\$285,717	\$199,804	4
Indian River	\$1,299,482	\$2,942,966	1.989	1.245	0.871	16.576	\$2,584,611	\$1,617,648	\$1,131,571	22	\$5,853,427	\$3,663,523	\$2,562,694	49
Jackson	\$762,435	\$1,923,535	1.992	1.246	0.871	16.594	\$1,518,412	\$950,082	\$664,422	13	\$3,830,777	\$2,396,946	\$1,676,259	32
Jefferson	\$35,854	\$99,207	1.993	1.247	0.872	16.600	\$71,440	\$44,701	\$31,259	1	\$197,676	\$123,688	\$86,494	2
Lafayette	\$40,167	\$111,142	1.993	1.247	0.872	16.601	\$80,045	\$50,085	\$35,024	1	\$221,486	\$138,586	\$96,911	2
Lake	\$3,169,157	\$6,983,001	1.985	1.242	0.869	16.561	\$6,290,656	\$3,936,468	\$2,754,186	52	\$13,860,991	\$8,673,714	\$6,068,643	116
Lee	\$9,260,670	\$20,182,419	1.980	1.241	0.869	16.498	\$18,334,517	\$11,488,505	\$8,042,893	153	\$39,957,682	\$25,037,693	\$17,528,434	333
Leon	\$5,814,046	\$13,048,293	1.987	1.244	0.870	16.555	\$11,551,783	\$7,232,443	\$5,060,085	96	\$25,925,326	\$16,231,559	\$11,356,200	216
Levy	\$246,454	\$634,182	1.992	1.246	0.872	16.598	\$490,930	\$307,167	\$214,808	4	\$1,263,276	\$790,412	\$552,751	11
Liberty	\$52,578	\$147,516	1.993	1.247	0.872	16.604	\$104,778	\$65,556	\$45,842	1	\$293,972	\$183,929	\$128,618	2
Madison	\$150,063	\$389,692	1.992	1.247	0.872	16.600	\$298,990	\$187,078	\$130,825	2	\$776,437	\$485,816	\$339,734	6
Manatee	\$3,567,522	\$7,627,556	1.986	1.243	0.869	16.566	\$7,083,625	\$4,433,207	\$3,101,620	59	\$15,145,176	\$9,478,437	\$6,631,431	126
Marion	\$4,320,598	\$9,583,565	1.985	1.242	0.869	16.563	\$8,575,635	\$5,366,513	\$3,754,901	72	\$19,021,707	\$11,903,520	\$8,328,787	159
Martin	\$2,612,757	\$5,732,114	1.988	1.244	0.870	16.575	\$5,193,586	\$3,250,192	\$2,273,847	43	\$11,394,182	\$7,130,580	\$4,988,582	95
Miami-Dade	\$35,583,943	\$84,900,189	1.975	1.236	0.866	16.545	\$70,283,836	\$43,996,814	\$30,827,984	589	\$167,691,115	\$104,972,568	\$73,552,886	1,405
Monroe	\$548,450	\$1,464,268	1.990	1.245	0.871	16.588	\$1,091,560	\$682,977	\$477,652	9	\$2,914,276	\$1,823,431	\$1,275,248	24
Nassau	\$474,853	\$1,181,830	1.990	1.245	0.871	16.583	\$944,962	\$591,331	\$413,556	8	\$2,351,851	\$1,471,723	\$1,029,272	20
Okaloosa	\$2,113,961	\$4,551,049	1.987	1.244	0.870	16.564	\$4,200,610	\$2,628,780	\$1,838,504	35	\$9,043,300	\$5,659,380	\$3,958,030	75
Okeechobee	\$233,784	\$616,504	1.992	1.246	0.872	16.601	\$465,730	\$291,393	\$203,776	4	\$1,228,159	\$768,421	\$537,370	10
Orange	\$21,370,233	\$50,064,110	1.979	1.244	0.869	16.470	\$42,299,610	\$26,574,669	\$18,581,332	352	\$99,095,424	\$62,256,556	\$43,530,541	825
Osceola	\$2,266,528	\$5,064,944	1.986	1.243	0.869	16.565	\$4,502,074	\$2,818,027	\$1,970,653	38	\$10,060,653	\$6,297,362	\$4,403,761	84
Palm Beach	\$19,294,910	\$45,065,192	1.958	1.232	0.865	16.309	\$37,773,844	\$23,764,361	\$16,681,711	315	\$88,224,589	\$55,504,040	\$38,961,803	735
Pasco	\$4,575,530	\$10,243,573	1.981	1.241	0.868	16.520	\$9,065,870	\$5,676,687	\$3,972,799	76	\$20,296,426	\$12,708,815	\$8,894,196	169
Pinellas	\$18,186,864	\$40,266,313	1.986	1.244	0.870	16.538	\$36,110,914	\$22,619,326	\$15,827,428	301	\$79,950,748	\$50,079,930	\$35,042,445	666

Polk	\$5,530,337	\$12,562,073	1.979	1.239	0.868	16.518	\$10,943,701	\$6,852,037	\$4,798,317	91	\$24,858,443	\$15,564,293	\$10,899,300	208
Putnam	\$405,958	\$998,051	1.991	1.246	0.871	16.589	\$808,171	\$505,715	\$353,671	7	\$1,986,894	\$1,243,304	\$869,502	17
Saint Johns	\$2,168,034	\$4,741,730	1.986	1.243	0.870	16.552	\$4,306,074	\$2,695,719	\$1,885,775	36	\$9,417,858	\$5,895,835	\$4,124,397	78
Saint Lucie	\$2,959,105	\$6,747,601	1.987	1.243	0.870	16.590	\$5,880,680	\$3,678,791	\$2,573,264	49	\$13,409,623	\$8,388,690	\$5,867,773	112
Santa Rosa	\$1,471,043	\$3,167,797	1.987	1.244	0.870	16.567	\$2,923,219	\$1,829,446	\$1,279,723	24	\$6,294,965	\$3,939,594	\$2,755,802	52
Sarasota	\$6,155,248	\$13,029,788	1.986	1.243	0.870	16.552	\$12,221,587	\$7,651,173	\$5,354,318	102	\$25,871,368	\$16,196,449	\$11,334,333	216
Seminole	\$4,192,331	\$9,418,967	1.987	1.243	0.869	16.574	\$8,329,424	\$5,211,829	\$3,644,497	69	\$18,713,829	\$11,709,486	\$8,188,141	156
Sumter	\$392,855	\$941,590	1.989	1.245	0.871	16.572	\$781,388	\$489,061	\$342,066	7	\$1,872,822	\$1,172,175	\$819,859	16
Suwannee	\$108,246	\$302,040	1.992	1.246	0.872	16.595	\$215,604	\$134,905	\$94,342	2	\$601,602	\$376,425	\$263,243	5
Taylor	\$274,735	\$689,488	1.992	1.247	0.872	16.598	\$547,311	\$342,460	\$239,488	5	\$1,373,557	\$859,452	\$601,029	11
Union	\$87,257	\$241,440	1.993	1.247	0.872	16.600	\$173,868	\$108,791	\$76,077	1	\$481,093	\$301,024	\$210,504	4
Volusia	\$4,395,199	\$9,581,680	1.985	1.242	0.869	16.566	\$8,722,950	\$5,459,568	\$3,818,814	73	\$19,016,322	\$11,902,041	\$8,325,143	159
Wakulla	\$144,097	\$398,717	1.992	1.246	0.872	16.598	\$287,059	\$179,613	\$125,606	2	\$794,293	\$496,990	\$347,553	7
Walton	\$490,927	\$1,106,304	1.991	1.246	0.871	16.598	\$977,646	\$611,697	\$427,739	8	\$2,203,126	\$1,378,460	\$963,909	18
Washington	\$294,808	\$793,234	1.993	1.247	0.872	16.605	\$587,578	\$367,634	\$257,076	5	\$1,580,986	\$989,185	\$691,710	13

Notes [A] [B] [C]

Note: All figures are based on 2013 estimates of the number of APRNs by county (the latest available figures) but are monetized using 2014 compensation estimates. All projections of changes in supply and demand assume that all changes shown (which actually would occur gradually between 2013 and 2025) had counterfactually been fully in place by 2013. Thus, they represent the permanent annual increase in supply/demand that would be expected as a consequence of these policy and population changes.

Notes

[A] All figures are reported in [S1].

[B] Figures shown are total output multipliers inclusive of direct, indirect and induced effects for industry groups 475, 476, & 477, Offices of physicians, dentists, and other health practitioners, as compiled by authors using [S2].

[C] All figures are calculated by authors using multipliers shown. These reflect the direct, indirect and induced effects of the increase in APRN supply that would result from lowering practice restrictions. The state total exceeds the sum of individual county estimates because it includes leakages across county borders that are excluded from the individual county results but nevertheless represent economic activity within the state's borders.

Sources

[S1] Unruh, L. & Rutherford, A. Table C-7. Potential Changes in Supply and Demand for APRNs, by County, 2013. University of Central Florida, Florida Center for Nursing.

[S2] IMPLAN Group, LLC. *IMPLAN System* (data and software), 16740 Birkdale Commons Pkwy, Suite 206, Huntersville, NC 28078 www.implan.com

REFERENCES

- American College of Obstetrics & Gynecologists. (2014). ACOG Workforce Fact Sheet: Florida. Available at <http://www.acog.org/-/media/Departments/Government-Relations-and-Outreach/WF2011FL.pdf?dmc=1&ts=20150422T1117327900>. (accessed 5-15-16)
- American Medical Association. *Practice Expense Per Hour, 2007/2008 PPIS Survey*. Available at: <http://www.ama-assn.org/resources/doc/rbrvs/x-pub/ppi-pe-per-hour-spreadsheet.xls> (accessed August 28, 2014 by Conover & Richards, 2015).
- American Medical Association. *Supplement to the PPIS Specialty Reports, mean patient care hours per year, by Specialty for respondents included in the PE/HR calculations*. Available at: <http://www.amaassn.org/resources/doc/rbrvs/x-pub/ppi-patient-care-hours.pdf> (accessed August 28, 2014 by Conover & Richards, 2015).
- American Medical Association. *Practice Expense per Hour Formula*. Available at: <http://www.ama-assn.org/resources/doc/rbrvs/x-pub/ppi-pe-per-hour-formula.pdf> (accessed August 28, 2014 by Conover & Richards, 2015).
- Buettgens, M., Holahan, J., & Carroll, C. (2011). *Health Reform Across the States: Increased Insurance Coverage and Federal Spending on the Exchanges and Medicaid*. Available at: <http://www.urban.org/uploadedpdf/412310-Health-Reform-Across-the-States.pdf> (accessed April 2, 2016).
- Bureau of Labor Statistics. (2014). Occupational Employment Statistics Query System. Available at: <http://data.bls.gov/oes/datatype.do>. Data extracted on December 8, 2014 by Conover & Richards, 2015.
- Burke, Amy, Arpit Misra, and Steven Sheingold. *Premium Affordability, Competition, and Choice in the Health Insurance Marketplace*, ASPE Research Brief, June 18, 2014. Available at: <http://aspe.hhs.gov/health/reports/2014/Premiums/2014MktPlacePremBrf.pdf> (accessed by Conover & Richards, December 20, 2014).
- Census Bureau (2014). *Model-based Small Area Health Insurance Estimates (SAHIE) for Counties and States*. Small Area Health Insurance (SAHIE) Program. March 2014. Available at: <https://www.census.gov/did/www/sahie/>
- CMS (2014b). *National Health Expenditure Data*. Centers for Medicare and Medicaid Services website. Available at: <https://www.cms.gov/Research-Statistics-Data-and-systems/Statistics-Trends-and-reports/NationalHealthExpendData/index.html> (accessed April 2, 2016).
- CMS(2014a). *Total All Payers Per Capita State Estimates by State of Residence - Personal Health Care (Dollars)*. Centers for Medicare and Medicaid Services website. Available at: <http://www.cms.gov/Research-Statistics-Dataand-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/Downloads/res-tables.pdf> (accessed 4-12-16).

Conover, C.J., & Richards, R. (2015) *Economic Benefits of Less Restrictive Regulation of Advanced Practice Registered Nurses in North Carolina: Technical Appendices*, (February 2015). Available at: <http://chpir.org/wp-content/uploads/2015/02/Appendix-Final-Version.pdf> (accessed 1-5-16).

Dartmouth Atlas of Health Care. (2013a). *Selected Medicare Reimbursement Claims-based: Price, Age, Sex and Race-adjusted, County Level, 2010*. Available at: http://www.dartmouthatlas.org/downloads/tables/pa_reimb_county_2010.xls

Dartmouth Atlas of Health Care. (2013b). *Selected Medicare Reimbursement Claims-based: Price, Age, Sex and Race-adjusted, State Level, 2010*. Available at: http://www.dartmouthatlas.org/downloads/tables/pa_reimb_state_2010.xls.

Daugherty, L., Fonseca, R., Kumar, K. B., & Michaud, P. C. (2010). An analysis of the labor markets for anesthesiology. Table 4.8 Market Disequilibrium Estimates for Anesthesiologists. Santa Monica, CA: RAND Health, RAND Corporation, 2010. Available at http://www.rand.org/pubs/technical_reports/TR688.html.

Eibner, C.E., Hussey, P.S. Ridgely, M.S. & McGlynn, E.A. (2009). *Controlling Health Care Spending in Massachusetts: An Analysis of Options*. RAND Health. Available at: http://www.rand.org/content/dam/rand/pubs/technical_reports/2009/RAND_TR733.pdf. (accessed 7-15-16).

Florida Center for Nursing (2014). (<https://www.flcenterfornursing.org/>)

Florida Demographic Estimating Conference (2014). Bureau of Economic and Business Research, and Florida Population Studies, University of Florida. edr.state.fl.us/Content/population-demographics/data/MediumProjections_2014.pdf

Florida Department of Families and Children (2016). Family Related Medicaid Programs Fact Sheet. MyFLFamilies.com website. Available at: <http://www.dcf.state.fl.us/programs/access/docs/Family-RelatedMedicaidFactSheet.pdf> (Accessed 4-10-16).

Florida Department of Health. 2013 Physician Workforce Annual Report. *Physician Workforce Specialty Group Counts by County, 2012-2013*. Available at <http://www.floridahealth.gov/provider-and-partner-resources/community-health-workers/physician-workforce-development-and-recruitment/physicianworkforce13final.pdf>.

Eibner, C.E., Hussey, P.S. Ridgely, M.S. & McGlynn, E.A. (2009). *Controlling Health Care Spending in Massachusetts: An Analysis of Options*. RAND Health. Available at: http://www.rand.org/content/dam/rand/pubs/technical_reports/2009/RAND_TR733.pdf. (accessed 7-15-16).

Gillis, Kurt D. (2009). *Physician Practice Expenses by Location*. American Medical Association, Policy Research Perspectives. Chicago, IL: 2009. Available at: <http://www.ama-assn.org/resources/doc/rbrvs/xpub/practice-expense-by-location.pdf> (accessed August 28, 2014 by Conover & Richards, 2015).

Hooker, R.S., Nicholson, J.G. & Le, T. (2012). Does the Employment of Physician Assistants and Nurse Practitioners Increase Liability? *Journal of Medical Licensure and Discipline* 95 (2) 2009: 6-16. Available at: <http://www.paexperts.com/Nicholson%20-%20Hooker%20Article.pdf> (accessed December 1, 2014 by Conover & Richards, 2015).

HRSA. (2008). *The Physician Workforce: Projections and Research into Current Issues Affecting Supply and Demand*. Health Resources Services Administration, Bureau of Health Professions Washington, DC, 2008.

HRSA. (2013). *Projecting the Supply and Demand for Primary Care Practitioners through 2020*. Health Resources Services Administration, National Center for Health Workforce Analysis, Rockville, MD: U.S. Department of Health and Human Services.

HRSA (2014). Area Health Resource File. <http://ahrf.hrsa.gov/> (accessed 4-15-16).

IMPLAN (2013). IMPLAN Group, LLC. *IMPLAN System* (data and software), 16740 Birkdale Commons Pkwy, Suite 206, Huntersville, NC 28078 www.implan.com.

KFF, (2014). Federal & State Share of Medicaid Spending, Kaiser Family Foundation Website. Available at: <http://kff.org/medicaid/state-indicator/federalstate-share-of-spending/> (accessed 4-10-16).

Medicare Economic Index Technical Advisory Panel. (2012). Table 1-Current 2006-based Medicare Economic Index in *Report to the HHS Secretary: Review of the Medicare Economic Index*. Available at: <http://www.cms.gov/Regulations-and-Guidance/Guidance/FACA/Downloads/MEI-Review-Report-to-HHS.pdf> (accessed August 28, 2014 by Conover & Richards, 2015).

Medicare Economic Index Technical Advisory Panel. (2012). Table 2-Annual Growth Rates in 2006-based MEI, 2006-based MEI Prior to Productivity Adjustment, and CPI-U All Items Less Food and Energy, 2000-2012, in *Report to the HHS Secretary: Review of the Medicare Economic Index*. Available at: <http://www.cms.gov/Regulations-and-Guidance/Guidance/FACA/Downloads/MEI-Review-Reportto-HHS.pdf> (accessed August 28, 2014 by Conover & Richards, 2015).

North Carolina Institute of Medicine. *Providers in Demand: North Carolina's Primary Care and Specialty Supply*. Durham, NC: NCIOM Task Force on Primary Care and Specialty Supply, 2007.

O'Grady, E.T. (2008). Advanced Practice Registered Nurses: The impact on patient safety and quality. In *Patient Safety and Quality: An Evidence Based Handbook for Nurses*, edited by Hughes R.G. Rockville (MD): Agency for Healthcare Research and Quality, 2008.

OTA (1981). *The Cost and Effectiveness of Nurse Practitioners*. Washington, D.C.: U.S. Congress, Office of Technology Assessment.

Perryman Group. *The Economic Benefits of More Fully Utilizing Advanced Practice Registered Nurses in the Provision of Health Care in Texas: An Analysis of Local and Statewide Effects on Business Activity*. Waco, TX: The Perryman Group, 2012. Available at: https://www.perrymangroup.com/wp-content/uploads/Impact_of_APRN_Utilization_05_01_2012.pdf (accessed 7-15-16).

Reagan, P.B & Salsberry, P.J. (2013). The effects of state-level scope-of-practice regulations on the number and growth of nurse practitioners. *Nursing outlook* 61(6), 392-399.

Salary Wizard. (2013). Available at <http://www1.salary.com/Healthcare-Nursing-Salaries.html>.

Satiani, Bhagwan. (2011). A critical deficit of OB-GYN surgeons in the U.S by 2030." *Surgical Science* 02 (02), 95-101.

The Robert Graham Center. Florida: Projecting Primary Care Physician Workforce. Available at <http://www.graham-center.org/content/dam/rgc/documents/maps-data-tools/state-collections/workforce-projections/Florida.pdf> (accessed 5-15-16)

Yamamoto, Dale H. Health Care Costs- From Birth to Death. Society of Actuaries, June 2013. Available at http://www.healthcostinstitute.org/files/Age-Curve-Study_0.pdf (accessed 4-5-16).