

Report to the Legislature on Washington State's Family Medicine Residency Programs

November 2016



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(Engrossed Second Substitute House Bill 1485)
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The information and data in this report come primarily from the University of Washington Family Medicine Residency Network and the Washington State Office of Financial Management.

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Introduction

This report provides information about the family medicine residency programs in Washington State as required in Engrossed Second Substitute House Bill (E2SHB) 1485 (2015). The Department of Health partnered with the University of Washington Family Medicine Residency Network to collect and analyze the required information, including:

- The location of each family medicine residency program and whether all or part is located in a designated Health Professional Shortage Area (HPSA).
- The number of residents in each program and how many attended an in-state medical school.
- The number of graduates from each program who work within HPSAs.

Additionally, the department is including information on which programs and graduates are located in counties designated as rural by the Office of Financial Management (OFM) along with information about the percentage of Washington residents in those areas for comparison purposes.

Family Medicine Residency Programs

Family medicine residencies are three-year programs that prepare allopathic and osteopathic medical school graduates to practice as primary care physicians who provide care to patients across the lifespan. Allopathic medical students receive the MD (Medical Doctor) degree upon graduation. Currently the University of Washington School of Medicine is the only allopathic program in Washington. Osteopathic medical students receive the DO (Doctor of Osteopathy) degree upon graduation. Pacific Northwest University of Health Sciences is the osteopathic program in the state. The Washington State University Elson S. Floyd College of Medicine will be an allopathic

program and plans to admit its first students in the fall of 2017.

Both MD and DO graduates must complete some amount of graduate medical education, also known as residency, in order to be able to practice in Washington. The state's family medicine residency programs accept graduates from in-state, out-of-state and international medical schools. The residency programs are accredited by either the Accreditation Council for Graduate Medical Education (ACGME) or the American Osteopathic Association (AOA). Washington State has 13 civilian family medicine residencies accredited by ACGME. An additional five family medicine residency programs are accredited by the AOA only. All residency programs are moving toward a single GME accreditation system with AOA-accredited training programs transitioning to ACGME accreditation by June 30, 2020.

Several family medicine residency programs are in active development or preliminary discussion. Sea Mar Marysville Family Medicine Residency has received accreditation and will start its first class in July 2017. Swedish Family Medicine – Cherry Hill is developing a satellite program in Port Angeles. CHI Harrison Medical Center is developing a program in Bremerton. Program development discussions are occurring at facilities in Enumclaw, Aberdeen, Pullman, Spokane and Chelan.

Health Professional Shortage Areas

A key goal we have is access to health care. The first step is determining and designating which people have difficulty accessing healthcare services. The Department of Health works in partnership with the federal government to make determinations about areas and populations in Washington that can be designated as having a shortage of healthcare providers based on surveys of clinicians and other data sources.

These federal designations are called Health Professional Shortage Areas (HPSA). Designated areas are assigned a HPSA score based on survey data collected from physicians and a number of other factors set by federal regulation. For primary care HPSAs these scores range from 0-25 with higher scores meaning the population has more difficulty accessing services. There are several different types of HPSAs depending on whether access is a difficulty for the entire population or limited to specific groups or clients at certain facilities.

Location of family medicine residency programs and relationship to HPSAs

The 18 family medicine residency programs have main and satellite sites in 11 Washington counties. The majority of residents are trained in King and Pierce counties. Several training programs in these areas are connected with community health centers that serve low-income urban populations. Washington State has five family medicine residency programs either entirely hosted by or run in partnership with community health centers and one program hosted by a tribe. A significant number of residents are also trained in Olympia, Yakima, Spokane, Vancouver and the Tri-Cities area.

During FY2017, 318 family medicine residents are training in Accreditation Council for Graduate Medical Education (ACGME) residency programs. These programs can accept both allopathic and osteopathic medical school graduates and some are dually accredited by the American Osteopathic Association (AOA).

- Family Medicine Spokane, 33 residents
 - Group Health Family Medicine Residency (Seattle), 18 residents
 - Kadlec Family Medicine Residency (Richland), 12 residents
 - Providence Medical Group St. Peter Family Medicine (Olympia, Chehalis), 24 residents
 - Swedish Family Medicine Residency – Cherry Hill (Seattle), 36 residents
 - Swedish Family Medicine Residency – First Hill (Seattle), 33 residents
 - Tacoma Family Medicine, 24 residents
 - University of Washington Family Medicine Residency (Seattle), 24 residents
 - Valley Family Medicine (Renton), 24 residents
- Central Washington Family Medicine (Yakima, Ellensburg), 30 residents
 - Community Health Care Family Medicine Residency (Tacoma), 18 residents
 - East Pierce Family Medicine (Puyallup), 18 residents
 - Family Medicine of Southwest Washington (Vancouver), 24 residents

During FY2017, 54 family medicine residents are training in residencies accredited only by the AOA. These programs are not ACGME-accredited and accept only osteopathic medical school graduates.

- Trios Health Family Medicine Residency (Kennewick), 9 residents
- Puyallup Takopid Family Medicine (Tacoma), 12 residents
- Skagit Valley Hospital Family Medicine Residency (Mount Vernon), 15 residents
- Sollus Northwest Family Medicine Residency (Grandview), 6 residents
- HealthPoint/The Wright Center Family Medicine Residency (Auburn), 12 residents

E2SHB 1485 (2015) requires the department to determine the location of each residency program and whether all or part of the program was located in a HPSA. The total number of family medicine residents training in each county and the HPSA designation status of the counties are detailed in Figure 1. The main address for each program as well as any satellite sites is included for each program in the state in the appendix starting on page 8.

Figure 1. Family medicine residents training in Health Professional Shortage Areas (HPSA)

Of the 372 family medicine residents training in Washington on July 1, 53 percent were training at a residency program with a HPSA designation.

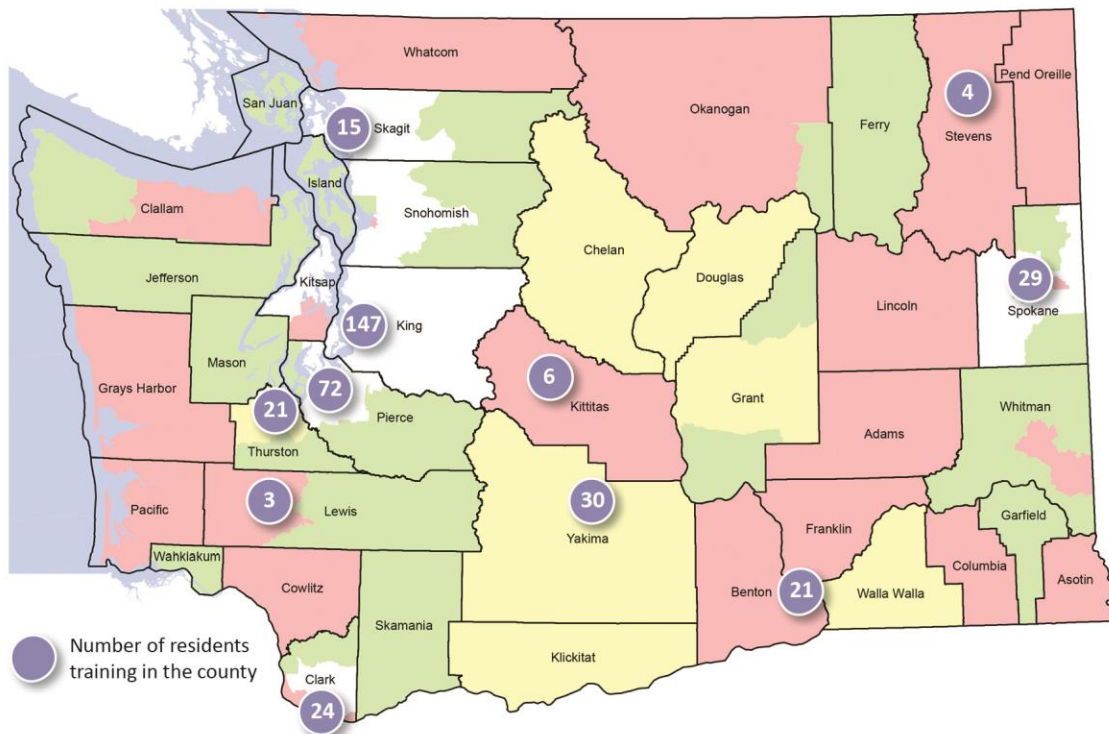
Type of HPSA	Number of residents	Percentage of residents*
Geographic HPSA: This HPSA type indicates that everyone within the designated area has difficulty accessing healthcare. These tend to be the more remote parts of Washington and might not have the population to sustain a residency program.	0	0%
Designated population HPSAs: These HPSAs indicate that groups within the designated area have trouble accessing healthcare. Population HPSAs are the majority of the HPSA designations in Washington State. Designated populations are: low income, migrant/seasonal farmworkers and homeless populations.	138	37%
Facility HPSA: These HPSAs are specific to an organization and eligibility is restricted. Most facility HPSAs are community health centers, prisons and some rural health clinics. Due to the high number they are not marked below.	50	13%
Tribal HPSA: These HPSAs are specific to tribal health clinics or Indian Health Service facilities. Due to the high number they are not marked below.	12	3%
Non-HPSAs: Some parts of the state have not been designated as a HPSA but may contain underserved populations.	172	46%

*Percentages do not sum to 100 due to rounding

Family medicine residents training in each county and associated primary care HPSAs

The map shows geographic and population primary care HPSAs. The circles give the number of residents training in the county. Homeless population HPSAs are only designated together with low-income population HPSAs and are less frequently used so not noted. Facility and tribal HPSAs are not marked on the map due to the high number.

No HPSA
 Geographic HPSA
 HPSA for low income population
 HPSA for migrant population



Attendance at Washington and non-Washington medical schools

The selection of family medicine residents into Washington State’s programs is complicated, and is governed by several different processes and organizations. Potential residents and family medicine residency program administrators are not able to directly determine which residents attend which programs. Medical students interested in attending a residency program enroll in “The Match” during their fourth year of school and apply to programs they are interested in attending. Students interview at multiple programs, typically in many different places, and rank their preferences. The residency programs rank the residents who interview with them. Both sides submit their lists to the allopathic and osteopathic matching programs and a computer algorithm pairs residents with a training program.

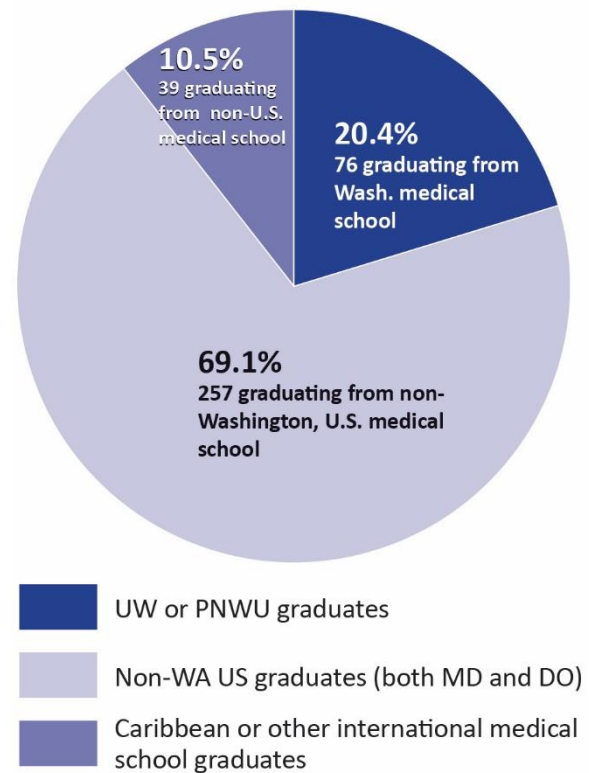
While the state’s two medical schools enroll many Washington students, it is important to note that Washington natives also attend medical schools outside the state. It is also important to recognize the presence of residents in Washington’s programs who attended non-U.S. medical schools. The international medical school graduates group includes U.S. citizens and foreign nationals who attended medical school outside the country. Each year a significant number of residency positions across all specialties in the U.S. are matched to U.S. graduates of foreign medical schools and foreign nationals. Figure 2 shows the breakdown of how many current family medicine residents attended medical school in Washington State versus schools in other locations.

For the purposes of this report a resident was considered as attending a Washington medical school if he or she graduated from the University of Washington School of Medicine or the Pacific Northwest University of Health Sciences.

A small number of residents in the HealthPoint/The Wright Center Family Medicine

Figure 2. Washington family medicine residents by medical school attended

There were 372 total family medicine residents training in Washington on July 1, 2016. The residents attended a variety of institutions from around the U.S. and the world. Information about whether these graduates lived in Washington before they attended medical school was not available for this report.



Residency attended three of their four years of osteopathic medical school at HealthPoint in Renton. The students enroll at A.T. Stills University- School of Osteopathic Medicine in Arizona and train the first year in Mesa, Arizona, then in community-based settings such as HealthPoint. Four of the 12 residents at HealthPoint trained there for part for their osteopathic medical education. They are not included in the official Washington State graduate totals as they did not attend all four years in the state. The number of residents who attended in-state programs is broken out by residency program in the appendix starting on page 8.

Washington State family medicine residency graduates working in HPSAs a year following graduation

In order to fulfill the requirements of this report and gain a deeper understanding about where physicians are practicing, the Department of Health and the University of Washington Family Medicine Residency Network agreed to follow up with physicians regarding their practice locations at one, three and five years after graduation from a Washington State family medicine residency program.

The information presented in Figure 3 represents the family medicine physicians who graduated in June 2015 and are now one year into their first practice. This group is composed of 97 graduates from 13 programs. Additional information will be available for future reports as these physicians and new classes are followed until five years after graduation. Several of the programs are new and so did not graduate a class in 2015.

It should be noted that it is not unusual for a program graduate to seek additional training following completion of the family medicine residency. Several of the graduates are completing one-year fellowships to gain more experience in areas such as obstetrical care and sports medicine. It is anticipated that these physicians will enter the workforce in the summer of 2016.

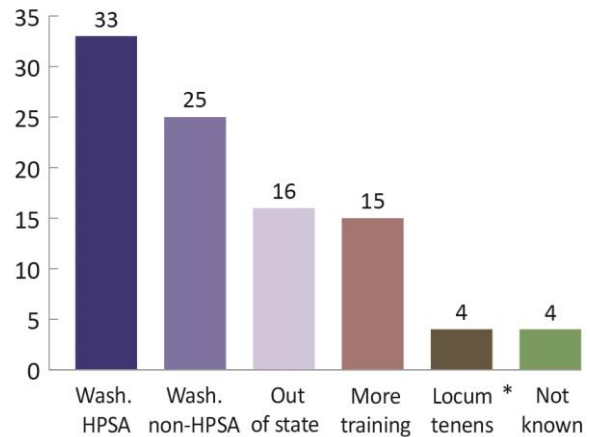
Of those physicians who are now practicing outside Washington State, eight of the 16 are practicing in a Health Professional Shortage Area in another state.

Rural and urban distribution

Cross referencing the residency programs and practice locations by Health Professional Shortage Area designations is one way to consider distribution of these programs and clinicians. However, the high number of HPSAs in

Figure 3. Current location of 2015 Washington family medicine residency graduates

In 2015 there were 97 graduates of family medicine residencies in Washington State. A little more than one third are now practicing in areas or facilities with a HPSA designation. In the case where a practice site had both a facility HPSA and a geographic or population HPSA the physician was classified as working in the population or geographic HPSA.



Within the Washington HPSA category the physicians are working in a variety of different HPSA types.

- Graduates working in a population HPSA: 19
- Graduates working in a facility HPSA: 12
- Graduates working in a tribal HPSA: 1
- Graduates working in a geographic HPSA: 1

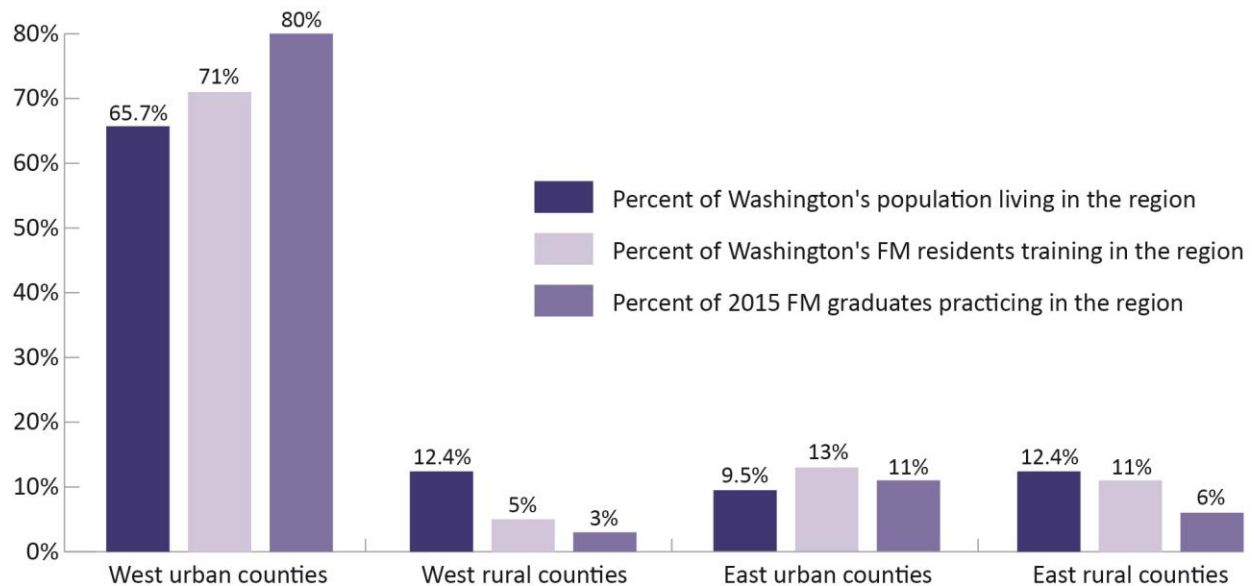
*Note: Locum tenens is a term used to describe physicians working in a position on a temporary basis, typically weeks to months.

Washington does not allow for a clear view of rural versus urban status.

Another way to examine the distribution of residents and where family medicine physicians are practicing is to consider how many are located in OFM rural and urban designated counties in the areas east and west of the Cascade Mountains as in Figure 4.

OFM publicizes a rural county definition based on RCW 82.14.370. A county is defined as rural if it has a population density of less than 100 people per square mile or is smaller than 225 square miles.

Figure 4. Washington rural and urban location of family medicine (FM) residents and practicing physicians* compared to Washington State population by region



*Practicing physicians are 64 graduates of Washington FM programs from the 2015 class who are working in the state. Several physicians categorized as locum tenens or unknown in Figure 3 were included above if practice area was known at the county level.

Eastside rural counties: Adams, Asotin, Chelan, Columbia, Douglas, Ferry, Franklin, Garfield, Grant, Kittitas, Klickitat, Lincoln, Okanogan, Pend Oreille, Stevens, Walla Walla, Whitman and Yakima

Westside rural counties: Clallam, Cowlitz, Grays Harbor, Island, Jefferson, Lewis, Mason, Pacific, San Juan, Skagit, Skamania, Wahkiakum and Whatcom

Eastside urban counties: Benton and Spokane

Westside urban counties: Clark, King, Kitsap, Pierce, Snohomish and Thurston

In order to make a comparison between the regions, the percentage of Washington State's total population living in each grouping of counties is provided. The population information for each region was determined using OFM's April 1, 2016, official population estimates for the state.

Specialty residency programs

E2SHB 1485 (2015) requested the department provide information about the number of residents in family medicine versus specialty areas. This direct comparison is not simple as the other graduate medical education programs in the state have differing lengths and accept physicians at different points in their careers.

The most readily available information is about the graduate medical education programs that participate in the National Residency Match Program. These programs are accredited by ACGME. Another challenge with this comparison is that several other residency program types are considered primary care, not specialty programs. Specifically, both the US Department of Health and Human Services and Washington Student Achievement Council include internal medicine, general pediatrics, general psychiatry and obstetrics/gynecology in

their primary care disciplines eligible for loan repayment programs.

The prior information in this report included all family medicine residents across the three years of family medicine residency. The information below summarizes the filled residency positions for the single class that started an ACGME post-graduate year 1 (PGY-1) on July 1, 2016. The training programs that require completion of at least one year of residency or internship medical school graduates can apply are not included.

All ACGME non-family medicine residency programs are located in Spokane or Seattle.

Conclusion

This is the first report required by E2SHB 1485 (2015). The next report is due in November

2018. The department learned the following:

- Several new family medicine residency programs have started in the last few years and others will launch in the near future. This will help increase the supply of family medicine physicians trained in the state.
- Practice location information about these programs' graduates will not be available for several years due to the three-year length of the programs.
- It is challenging to make determinations about whether physicians are working in areas of greatest need because of the high number of HPSA designations in Washington.

Washington ACGME primary care graduate medical education programs

Residents starting their first year of a program on July 1, 2016. This information is from the National Resident Matching Program 2016 Main Residency Match.

Family medicine: 95

Internal medicine: 83

Obstetrics and gynecology: 7

Pediatrics: 39

Psychiatry: 19

Total: 243

Washington AOA primary care graduate medical education programs

In addition to the osteopathic family medicine residency programs, there are two osteopathic internal medicine residency programs located in Mount Vernon and Kennewick. The number of 2016 residents was not available. There are no specialty osteopathic programs in the state.

Washington ACGME specialty graduate medical education programs

Residents starting their first year of a program on July 1, 2016. This information is from the National Resident Matching Program 2016 Main Residency Match.

Anesthesiology: 27

Child Neurology: 3

Emergency medicine: 12

Neurological surgery: 2

Neurology: 7

Orthopaedic surgery: 8

Otolaryngology: 4

Pathology: 8

Physical medicine and rehabilitation: 3

Plastic surgery: 4

Radiology: 6

Surgery: 31

Thoracic surgery: 1

Transitional year: 22

Vascular surgery: 1

Total: 139

Appendix

Central Washington Family Medicine

- **Main address:** 1806 W. Lincoln Ave., Yakima
- **Satellite address:** 521 E. Mountain View Ave., Ellensburg
- **Located in a HPSA:** Yes, both sites
- **Total residents in training FY2017:** 24 at Yakima site, 6 at Ellensburg site
- **Current residents who graduated from a Washington medical school:** 5
- **2015 graduates working in a Washington HPSA in June 2016:** 3

Community Health Care

Family Medicine Residency

- **Main address:** 1202 Martin Luther King Jr Way, Tacoma
- **Located in a HPSA:** Yes
- **Total residents in training FY2017:** 18
- **Current residents who graduated from a Washington medical school:** 2
- **2015 graduates working in a Washington HPSA in June 2016:** No graduates yet

East Pierce Family Medicine

- **Main address:** 1322 Third St S.E., Suite 240, Puyallup
- **Located in a HPSA:** No
- **Total residents in training FY2017:** 18
- **Current residents who graduated from a Washington medical school:** 5
- **2015 graduates working in a Washington HPSA in June 2016:** 1

Family Medicine of Southwest Washington

- **Main address:** 100 E. 33rd S., Suite 100, Vancouver
- **Located in a HPSA:** Yes
- **Total residents in training FY2017:** 24
- **Current residents who graduated from a Washington medical school:** 4
- **2015 graduates working in a Washington HPSA in June 2016:** 3

Family Medicine Spokane

- **Main address:** 104 W. Fifth Ave., Suite 200, Spokane
- **Satellite address:** 1200 E. Columbia, Colville
- **Located in a HPSA:** Yes, both sites
- **Total residents in training FY2017:** 29 at Spokane site, 4 at Colville site
- **Current residents who graduated from a Washington medical school:** 10
- **2015 graduates working in a Washington HPSA in June 2016:** 7

Group Health Family Medicine Residency

- **Main address:** 125 16th Ave. E. CSB-545, Seattle
- **Located in a HPSA:** No
- **Total residents in training FY2017:** 18
- **Current residents who graduated from a Washington medical school:** 3
- **2015 graduates working in a Washington HPSA in June 2016:** 0

HealthPoint/The Wright Center

Family Medicine Residency

- **Main address:** 923 Auburn Way N., Auburn
- **Located in a HPSA:** Yes
- **Total residents in training FY2017:** 12
- **Current residents who graduated from a Washington medical school:** 1*
- **2015 graduates working in a Washington HPSA in June 2016:** No graduates yet
- ***Note:** Four of the 12 residents attended the AT Stills University - School of Osteopathic Medicine in Arizona and trained in Wash. for three years. These residents are not counted as in-state graduates as they did not attend all four years in state.

Kadlec Family Medicine Residency

- **Main address:** 780 Swift Blvd, Richland
- **Located in a HPSA:** Yes
- **Total residents in training FY2017:** 12
- **Current residents who graduated from a Washington medical school:** 1
- **2015 graduates working in a Washington HPSA in June 2016:** No graduates yet

Providence Medical Group

St. Peter Family Medicine

- **Main address:** 525 Lilly Road N.E., Olympia
- **Satellite address:** 931 S. Market Blvd., Chehalis
- **Located in a HPSA:** Yes, both sites
- **Total residents in training FY2017:** 24
- **Current residents who graduated from a Washington medical school:** 1
- **2015 graduates working in a Washington HPSA in June 2016:** 5

Puyallup Takopid Family Medicine

- **Main address:** 2209 East 32nd St., Tacoma
- **Located in a HPSA:** Yes
- **Total residents in training FY2017:** 12
- **Current residents who graduated from a Washington medical school:** 2
- **2015 graduates working in a Washington HPSA in June 2016:** 1

Skagit Valley Hospital

Family Medicine Residency

- **Main address:** 819 S. 13th St., Mount Vernon
- **Located in a HPSA:** No
- **Total residents in training FY2017:** 15
- **Current residents who graduated from a Washington medical school:** 5
- **2015 graduates working in a Washington HPSA in June 2016:** 1

Sollus Northwest

Family Medicine Residency

- **Main address:** 1000 Wallace Way, Grandview
- **Located in a HPSA:** Yes
- **Total residents in training FY2017:** 6
- **Current residents who graduated from a Washington medical school:** 2
- **2015 graduates working in a Washington HPSA in June 2016:** No graduates yet

Swedish Family Medicine Residency –

Cherry Hill

- **Main address:** 550 16th Ave., Suite 100, Seattle
- **Satellite address:** 8720 14th Ave. S., Seattle
- **Satellite address:** 611 12th Ave. S., Seattle
- **Satellite address:** 720 8th Ave S., Seattle
- **Satellite address:** 2101 E. Yesler Way, Seattle
- **Located in a HPSA:** Main site is not, satellite sites are located in facility HPSAs
- **Total residents in training FY2017:** 16 at main site, 20 at satellite sites
- **Current residents who graduated from a Washington medical school:** 11
- **2015 graduates working in a Washington HPSA in June 2016:** 4

Swedish Family Medicine Residency –

First Hill

- **Main address:** 1401 Madison St., Suite 100, Seattle
- **Satellite address:** 1801 N.W. Market St., Suite 403, Seattle
- **Satellite address:** 2124 Fourth Ave., Seattle
- **Located in a HPSA:** No
- **Total residents in training FY2017:** 18 at main site, 15 at satellite sites
- **Current residents who graduated from a Washington medical school:** 4
- **2015 graduates working in a Washington HPSA in June 2016:** 1

Tacoma Family Medicine

- **Main address:** 521 Martin Luther King Jr Way, Tacoma
- **Located in a HPSA:** No
- **Total residents in training FY2017:** 24
- **Current residents who graduated from a Washington medical school:** 8
- **2015 graduates working in a Washington HPSA in June 2016:** 2

Trios Health Family Medicine Residency

- **Main address:** 900 S. Auburn St, Kennewick
- **Located in a HPSA:** Yes
- **Total residents in training FY2017:** 9
- **Current residents who graduated from a Washington medical school:** 4
- **2015 graduates working in a Washington HPSA in June 2016:** No graduates yet

Valley Family Medicine

- **Main address:** 3915 Talbot Road S., Renton
- **Located in a HPSA:** No
- **Total residents in training FY2017:** 24
- **Current residents who graduated from a Washington medical school:** 4
- **2015 graduates working in a Washington HPSA in June 2016:** 3

University of Washington Family Medicine Residency

- **Main address:** 331 NE Thornton Place, Seattle
- **Satellite address:** 325 9th Ave., Seattle
- **Located in a HPSA:** No
- **Total residents in training FY2017:** 24
- **Current residents who graduated from a Washington medical school:** 3
- **2015 graduates working in a Washington HPSA in June 2016:** 3

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