ONE MISSION. INFINITE PROMISE.
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CONTACT US The UW Medicine Fact Book is updated quarterly by UW Medicine Strategic Marketing & Communications and published online at uwmedicine.org/factbook. For comments and submissions, please contact Steve Butler, editor, at shbutler@uw.edu, 206.616.7682.

Information current as of March 2018.
Our mission is everything
UW Medicine’s mission is to improve the health of the public. We advance this mission through our work in patient care, medical education and research.

Our Vision

A care experience for patients and their families that helps them achieve their personal goals for wellness and disease management.

An educational environment for health professionals, students and trainees that prepares them for leadership in their professional careers.

A research enterprise for scientists that enables them to advance medical knowledge and clinical innovations with groundbreaking discoveries.

Our Values

We treat people with respect and compassion.

We embrace diversity, equity and inclusion.

We encourage collaboration and teamwork.

We promote innovation.

We expect excellence.
We improved health from the very beginning
In 1946, the University of Washington School of Medicine opened its doors as the first new medical school on the West Coast since 1910. Three years later, the School received full accreditation from the American Medical Association and the Association of American Medical Colleges.

From its earliest days, the School attracted a remarkable group of faculty pioneers and embarked on expanding its student body and physical plant. By 1970, it was a recognized national leader in federal biomedical research grants and research achievements.

Today, UW Medicine has eight entities dedicated to patient care, medical education and research: Airlift Northwest, Harborview Medical Center, Northwest Hospital & Medical Center, UW Medical Center, UW Neighborhood Clinics, UW Physicians, UW School of Medicine and Valley Medical Center.

1 UW Medicine includes:

- 2,360 full- or part-time regular faculty members
- 4,633 clinical faculty
- 4,600 students and trainees
- 28,218 faculty & staff

2 Harborview Medical Center, Northwest Hospital & Medical Center, University of Washington Medical Center and Valley Medical Center **admit more than 64,000 patients** annually.

3 UW Medicine provides outpatient care for more than **1.6 million patients** annually in its primary, specialty and urgent care clinics.

4 UW Medicine serves a diverse patient population and provides more than **$417 million in uncompensated care** as measured by cost.

5 The UW School of Medicine has been ranked as the top **primary care medical school** for 23 out of the past 25 years by *U.S. News & World Report*. The School received the top ranking for training in family medicine and rural medicine for 26 consecutive years.

6 The UW School of Medicine is second in the nation in total federal research grants and contracts with **$749.9 million** in total revenue according to the Association of American Medical Colleges.

7 UW Medicine’s past and present faculty includes **five Nobel laureates**.

8 The University of Washington is ranked **No. 2 in the world for clinical medicine and pharmacy** in the 2016 Academic Ranking of World Universities (published by the Shanghai Ranking Consultancy).

9 Accelerate: The Campaign for UW Medicine **will raise $2 billion** to advance patient care, medical education and research by 2020. The campaign is part of the largest philanthropic effort ever by the University of Washington.

Did You Know?

- **Fiscal Year 2017**
Years of firsts
1946 First class of students enters UW School of Medicine.

1947 Valley Medical Center is state's first public hospital district.

1956 Division of Medical Genetics opens as one of the first units of its kind in the U.S.

1960 First long-term dialysis patient in the world is treated with shunt developed by Belding Scribner, Wayne Quinton and David Dillard at UW.

1961 Multidisciplinary Pain Clinic opens and becomes world model for diagnosis, study and treatment of chronic and acute pain.

1963 Dr. Robert Bruce establishes the Bruce Protocol, a treadmill test to measure exercise tolerance in heart patients.


1969 Seattle Medic One is founded as nation's first mobile program for prehospital emergency care.

1971 First community-based clinical teaching sites open in Omak, Washington, and Grandview, Washington, for regional medical education program now known as WWAMI.

1974 Burn Center opens and becomes a pioneer in the early removal of burned tissue and the use of artificial skin grafts to improve survival rates.

1980 Collaboration with University of Pennsylvania on first transgenic mice.

1985 First heart transplant in the Pacific Northwest.

1985 Pioneering prostate cancer treatment with ultrasound-guided radioactive seed implants.

1990 First adult liver transplant in the Pacific Northwest.

1993 First hospital in the region to offer nonsurgical treatment of brain tumors through Gamma Knife.

1994 First hospital in the world to receive a Magnet designation for excellence in nursing care from the American Nurses Credentialing Center.

2000 First facility in state with a team dedicated solely to the care of joint replacement patients.

2007 Seattle's first heart-and-lung transplant.

2008 First facility in the United States to participate in a pilot project by the World Health Organization to use a surgery checklist before operating on a patient.
2008 First major academic medical center to offer integrated care, bringing effective mental healthcare to UW Medicine primary care settings.

2009 First hospital in nation to perform Esophyx procedure for gastroesophageal reflux disease (GERD).

2012 First hospital in the Pacific Northwest to discharge Total Artificial Heart patient.

2014 First clinical trial in the United States for Wearable Artificial Kidney.

2015 First “heart in a box” transplant patient in a second-stage clinical trial.

2016 First hospital in world to receive sixth Magnet designation for nursing excellence.

2017 First hospital in the world to perform intentional cut via catheter to replace a patient’s failed artificial aortic valve.
High awards for distinguished faculty
UW Medicine has five Nobel laureates among its past and present faculty:

1990 The late E. Donnall Thomas for discoveries concerning organ and cell transplantation in the treatment of human disease

1992 Edmond H. Fischer and the late Edwin G. Krebs for discoveries concerning reversible protein phosphorylation as a biological regulatory mechanism

2001 Leland H. Hartwell for discoveries of key regulators of the cell cycle

2004 Linda B. Buck for discoveries of odorant receptors and the organization of the olfactory system

Faculty Honors

Canada Gairdner Foundation Awards: 12 recipients
Howard Hughes Medical Institute: 13 investigators
Lasker Foundation Award: 6 recipients
National Academy of Medicine (formerly Institute of Medicine): 34 elected members
National Academy of Sciences: 33 elected members
National Academy of Engineering: 6 elected members

From Left: E. Donnall Thomas, Edwin G. Krebs, Edmond H. Fischer, Leland H. Hartwell, Linda B. Buck
A presence around the world
The UW Department of Global Health has 697 projects in 133 countries dedicated to preventing and curing disease, population health, healthcare infrastructure, and medical education and training. Established in 2007 through a gift and endowment from the Bill & Melinda Gates Foundation and state resources, it resides within both the School of Public Health and the School of Medicine.

The department seeks to understand and address the causes of disease and health inequities at multiple levels, and it collaborates with partners to develop and sustain locally led, quality health systems, programs and policies.

**Current areas of focus:**

- Global Environmental Change
- Health Economics
- Health Metrics and Evaluation
- Health System Strengthening
- Implementation Science
- Infectious Diseases
- Injury and Violence Prevention
- Laboratory Sciences
- Medicine Safety
- Mental Health
- Social Justice
- Women’s, Adolescents’ and Children’s Health

*Search this interactive map for information about specific countries, programs, health topics, faculty and more.*
Institute for Health Metrics and Evaluation (IHME): Established in 2007 with a long-term grant from the Bill & Melinda Gates Foundation, IHME is based in UW Medicine. It has grown rapidly and now includes more than 350 faculty, staff and students in Seattle and more than 2,500 collaborators in 130 countries around the world.

IHME has greatly advanced the field of health metrics sciences, creating the world’s largest catalog of health data and freely providing the code necessary to conduct similar investigations. It is the coordinating center for the Global Burden of Disease enterprise, the world’s largest annually published collaboration in population health and a groundbreaking project that provides an international roadmap to help people live longer, healthier lives.

In 2017, the Gates Foundation announced a new 10-year grant to fund IHME’s work to build on the Global Burden of Disease project, track how health resources are spent and generate future scenarios for projecting health trends. The grant will also support the expansion of its global network of partners. It relies on a diverse range of supporters for its work in the United States and for its topic-specific projects, such as tobacco use and antimicrobial resistance.

IHME plays a strong role in the University of Washington’s Population Health Initiative, which brings together students, faculty and staff with local and global partners to improve human health, environmental resilience, and social and economic equity through education, research and service.

Learn more at healthdata.org.
Finding cures through research
UW Medicine is dedicated to winning the fight against Alzheimer’s disease, cancer, diabetes, genetic disorders, heart disease, infectious disease, multiple sclerosis, stroke, vision loss and other causes of disability and premature death. Learn more about our research programs, institutes and centers:

AIMS Center (Advancing Integrated Mental Health Solutions) improves the health of populations by advancing the research and implementation of collaborative care to treat common and persistent mental health conditions such as depression and anxiety.

Allen Discovery Center at UW Medicine uses newly developed technology to create global maps of development that reveal the relationships between the vast numbers of diverse cells that make up a single organism, with major impacts across developmental biology, neuroscience, cancer biology, regenerative medicine and other fields.

Alzheimer’s Disease Research Center helps advance Alzheimer’s research with a specific focus on precision medicine to improve the care, functioning and quality of life of both patients and caregivers.

Basic Biology of Aging houses one of six Nathan Shock Centers of Excellence in the United States that provide leadership for research into the biology of aging and support for community investigators.

Behavioral Research in Technology and Engineering (BRITE) Center brings together researchers, clinicians, technologists and mental health advocates with a common goal of improving the lives of those suffering with mental illness, their families and communities.

Brotman Baty Institute for Precision Medicine unites UW Medicine, Fred Hutchinson Cancer Research Center and Seattle Children’s in taking major steps forward in the emerging field of precision medicine. By understanding the differences from person to person in disease vulnerability, researchers can develop more specific diagnostics and treatments for people with cancer, rare childhood diseases, Alzheimer’s and other conditions.

Cambia Palliative Care Center of Excellence enhances research, education and patient-centered care for patients with severe illness and their families.

Cancer Vaccine Institute brings together a multidisciplinary group of investigators who are focused on the diagnosis, prevention and treatment of cancer with novel, immune-based approaches. A major area of interest is the development of vaccines to prevent cancers responsible for millions of deaths and enormous healthcare costs — breast, colon, ovarian, prostate, pancreatic and lung cancers — and to prevent cancer relapse.

Centers of Excellence in Pain Education (CoPEs) is one of 11 health professional schools selected by the National Institutes of Health to act as hubs for the development, evaluation and distribution of pain management curriculum resources to enhance and improve how healthcare professionals are taught about pain and its treatment.
Center for AIDS Research, a collaboration with Fred Hutchinson Cancer Research Center, advances knowledge in the clinical epidemiology, pathogenesis, treatment and prevention of HIV/AIDS by fostering collaborative and interdisciplinary research, supporting career development in junior investigators and providing research infrastructure and resources to researchers and scientists at our affiliated institutions.

Center for Cardiovascular Biology is dedicated to discovering the molecular basis of cardiovascular disease, harnessing this information to develop new therapies and training the next generation of cardiovascular physicians and scientists.

Center for Dialysis Innovation is a partnership of UW Medicine and Northwest Kidney Centers to improve the health and well-being of people receiving dialysis treatment. The Center includes researchers from the UW Engineered Biomaterials program and the UW Kidney Research Institute.

Center for Emerging and Re-emerging Infectious Diseases (CERID) facilitates infectious diseases research with specific strengths in host-defense, biochemistry, immunology, and drug and vaccine development.

Center for Microbiome Sciences & Therapeutics (CMiST) is a hub for researchers and clinicians who are educating the community about the importance of the microbiome in maintaining a healthy lifestyle.

Center for the Study of Health and Risk Behaviors (CSHRB) seeks to eradicate the harm caused by a variety of health risk behaviors through the development and implementation of new prevention and treatment approaches.

Center for Innate Immunity and Immune Disease (CIIID) conducts basic and clinical research directed toward understanding the function of the immune system with the goals of harnessing the immune system to prevent cancer and infectious diseases and developing new strategies to treat autoimmunity.

Center for Lung Biology conducts basic research directed toward understanding fundamental mechanisms of lung development, repair and disease.

Center on Outcomes Research in Rehabilitation (UWCORR) seeks to improve the function, level of independence and quality of life of people who have disabilities brought about by illness, injury or congenital origin.

Cystic Fibrosis Center is a collaboration between UW Medicine and Seattle Children's Hospital for patient care and research to improve the care of patients with cystic fibrosis, establish better treatments and ultimately find a cure for this disease.

Diabetes Institute conducts basic research to clarify the mechanisms causing diabetes and obesity and their consequences as well as translational research to transform research findings into clinical solutions.

Global Center for Integrated Health of Women, Adolescents, and Children (WACh) makes scientific discoveries, cultivates leaders and bridges disciplines to advance the health and well-being of women, adolescents and children.

Harborview Injury Prevention and Research Center (HIPRC) conducts research and promotes education and prevention programs aimed at diminishing the personal impact of trauma and broadening the effectiveness of injury prevention and treatment programs regionally and nationally.
**Health Alliance International** promotes policies and supports programs that foster social, economic and health equity for all.

**Institute for Health Metrics and Evaluation (IHME)** provides rigorous and comparable measurement of the world's most important health problems and evaluates the strategies used to address them. IHME makes this information freely available so that policymakers have the evidence they need to make informed decisions about how to allocate resources to best improve population health.

**Institute for Prostate Cancer Research (IPCR)** is a collaborative effort of UW Medicine and Fred Hutchinson Cancer Research Center to devise new therapies and technologies with the goal of understanding the causes of prostate cancer and its progression, developing new prevention strategies, devising innovative diagnostics, and improving survival and quality of life.

**Institute for Protein Design (IPD)** develops and applies methods for designing synthetic proteins for a wide range of new functions, including catalysts for chemical reactions, vaccine candidates and flu virus inhibitors.

**Institute for Stem Cell and Regenerative Medicine (ISCRM)** pursues basic research to unleash the enormous potential of stem cells and to develop therapies and cures.

**Institute of Translational Health Sciences (ITHS)** is dedicated to speeding science to clinical practice for the benefit of patients and communities in Washington, Wyoming, Alaska, Montana, Idaho and beyond.

**International Clinical Research Center (ICRC)** conducts clinical research, expands international clinical trial capacity and advances research for HIV and infectious disease interventions.
International Training and Education Center for Health (I-TECH) is a global network that works with local partners to develop skilled healthcare workers and strong national health systems in resource-limited countries. I-TECH promotes local ownership to sustain effective health systems.

Mitochondria and Metabolism Center (MMC) is home to a large and diverse community of researchers who are investigating highly prevalent diseases such as obesity/diabetes, cancer and cardiovascular and neurodegenerative diseases.

NWBioTrust (NWBT) is a collaboration among UW Medicine, Fred Hutchinson Cancer Research Center and Seattle Children’s that connects donated biospecimens from consenting individuals with innovative research projects aimed at advancing biomarker discovery and improving prevention, diagnosis and treatment of human disease.

Northwest Institute of Genetic Medicine supports translational genetic research by improving access of clinical investigators to human subject support, informatics and phenotype definition, genomic technologies, and innovative genetic analyses.

Public Behavioral Health and Justice Policy (PBHJP) is committed to improving the health and well-being of children, families and adults served by the mental health, chemical dependency, child welfare and justice systems.

School Mental Health Assessment, Research, & Training (SMART) Center is a transdisciplinary collaboration between the School of Medicine's Department of Psychiatry and Behavioral Sciences and the College of Education that promotes quality improvement of school-based mental and behavioral health services.

Sports Health and Safety Institute provides balanced information about the benefits and risks of sports and recreational activities in order to inform the important health decisions athletes, parents, coaches and health professionals make every day.

Surgical Outcomes Research Center (SORCE) assesses the impact of surgical procedures on patients, society and the healthcare system and improves the practice of surgery through education, training and policy initiatives.

Vision Science Center brings together scientists from across departments to work on research that will lead to the discovery of next-generation tools for diagnosing, preventing and treating all types of eye disease.

WWAMI Institute for Simulation in Healthcare (WISH) provides leadership in the use of simulation technologies to improve the quality of healthcare education, patient safety and outcomes.
One school, five states
The UW School of Medicine provides training for students in Washington, Wyoming, Alaska, Montana and Idaho. These five states constitute 27 percent of the landmass of the United States.

WWAMI Regional Medical Education
In the early 1970s, the UW School of Medicine began training physicians to care for patients and communities throughout Washington, Alaska, Montana and Idaho. Today, this regional medical education program, which expanded to include Wyoming in 1996, is known as WWAMI (an acronym representing the five states). It is recognized as one of the most innovative medical education and training programs in the country.

Each state participating in WWAMI partners with the UW School of Medicine to educate a fixed number of medical students from and for their state. For the first 15 months of medical school, students study at their home state university: University of Washington or Gonzaga University, University of Wyoming, University of Alaska Anchorage, Montana State University and University of Idaho.

A majority of the students in the program choose to remain and practice medicine within the five-state region, and approximately half choose careers in primary care, helping to stem the shortage of primary care physicians, especially in rural areas. More than 20 percent of the population in the five Pacific Northwest states lives in rural and medically underserved communities.

New curriculum prepares physicians of the future
In fall 2015, UW School of Medicine's entering class of students experienced the first major change to the curriculum in 15 years. Based on studies showing that active learning expands student knowledge and retention in a different way than lectures and in-classroom instruction, students now have hands-on training from the beginning of their medical school experience.

The new curriculum features fewer lectures and increased emphasis on learning the skills physicians need to keep up-to-date throughout their careers. Basic science training is shortened to 15 months and paired with a robust clinical training program. Twice per month from the start of medical school, students receive a day of clinical training and primary care experiences in physicians' offices.

Graduate Medical Education
Graduate Medical Education (GME) is the continuation of formal training for physicians after they have completed their medical school education. GME includes residency programs and fellowship programs for subspecialty training after residency. This training lasts typically from three to seven years.

UW Medicine is the largest sponsor of GME programs in the WWAMI region. About 1,335 trainees participate in 25 residency and 76 clinical fellowship programs accredited by the Accreditation Council for Graduate Medical Education (ACGME) and four fellowships approved by the American Board of Medical Specialties. In addition, over...
100 trainees participate in nonaccredited clinical fellowship programs, many of which are approved by national specialty societies.

The Department of Family Medicine is also the home of the WWAMI Family Medicine Residency Network, which includes 29 family medicine residency programs and trains more than 200 residents per year.

**WWAMI Spokane expansion**
The UW School of Medicine has been educating medical students in eastern Washington for more than 45 years. In 2015, the Washington State Legislature allocated $9 million for the next biennium to expand the program and accommodate 60 entering students each year in Spokane.

In 2016, the UW and Gonzaga University signed an agreement to continue, enhance and expand medical education and research in Spokane. The agreement makes Gonzaga a partner in the WWAMI program and advances health-related research, entrepreneurship and interdisciplinary health sciences teaching in Spokane.

Regional Health Partnership
Healthcare for your entire family
UW Medicine is the most comprehensive integrated health system in the Puget Sound region. Harborview Medical Center, Northwest Hospital & Medical Center, University of Washington Medical Center and Valley Medical Center admit more than 64,000 patients annually.* Our primary, specialty and urgent care clinics provide care for more than 1.6 million annual patient visits.*

In our health system, the needs of patients and their families come first. Our organizational goals and direction are based on four pillars:

1. Focus on Serving the Patient/Family
2. Provide the Highest Quality Care
3. Become the Employer of Choice
4. Practice Fiscal Responsibility

These four pillars drive everything we do and provide the foundation for delivering care that is respectful, compassionate, timely, personal and coordinated for every patient, every time.

*Fiscal Year 2017
UW Medicine is at the forefront of a national movement to improve healthcare.

At UW Medicine, care transformation represents an increased focus on initiatives to provide high-quality care that is patient-centered and focused on spending healthcare dollars wisely. In this way, care transformation is closely linked to the “Triple Aim” goals for healthcare reform, which call for improving the patient experience, achieving better health outcomes and controlling costs to deliver high-value care.

UW Medicine has established six areas of focus for care transformation:

- Provide the most effective, efficient and high-value care
- Serve populations as well as patients
- Fully develop the medical home
- Improve our use of data to direct care
- Provide “healthy” care as well as “sick” care
- Support smart innovation

The UW Medicine Accountable Care Network brings together many of the leading healthcare organizations in the Puget Sound region in a collective effort to achieve our goals for care transformation. The Boeing Company, Premera and Washington State Health Care Authority have selected the Network as an option for their health plans.

Member Organizations:

- Capital Medical Center
- Eastside Health Network
- Island Hospital & Clinics
- MultiCare Connected Care
- Overlake Medical Center
- PeaceHealth
- Seattle Cancer Care Alliance
- Seattle Children’s Hospital
- Skagit Regional Health
- UW Medicine
- Independent Provider Groups

**NETWORK RESOURCES**

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<th>PRIMARY CARE PROVIDERS</th>
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<th>CLINICS</th>
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<th>HOSPITALS</th>
<th>URGENT CARE CLINICS</th>
<th>EMERGENCY DEPARTMENTS</th>
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<td>22</td>
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Our medical services and specialty centers.

**Alvord Brain Tumor Center** offers a multidisciplinary “medical home” for brain tumor patients by giving them one place to go for consults, treatments and follow-up care.

**Cancer care** is provided in partnership with the Seattle Cancer Care Alliance for all types of cancer. Our program is recognized every year by U.S. News & World Report as one of the nation’s best. In 2017, it earned a No. 5 national ranking.

**Diabetes Care Center** offers comprehensive care to patients with Type 1 diabetes, Type 2 diabetes, severe insulin resistance, cystic fibrosis-related diabetes and transplant-related diabetes.

**Digestive Health Institute** provides comprehensive and innovative treatment for diseases and disorders of the esophagus, stomach, pancreas, liver, gallbladder and bile ducts, small intestine, colon, rectum, anus, pelvic floor, as well as preventive screenings to evaluate patients’ digestive tract health.

**Epilepsy Center (Regional)** offers a multidisciplinary program for the clinical care of epilepsy, including conventional and innovative brain imaging methods to correctly diagnose seizures and determine their underlying causes.

**Eye Institute** provides comprehensive services from basic exams to complex treatments and surgeries, including treatment for people with glaucoma, cataracts and diseases of the retina, cornea, orbit and nerves. Specialists also perform refractive procedures (such as LASEK) and oculofacial plastic (cosmetic and post-traumatic) procedures.

**Gynecology** services include family planning, gynecologic cancer care, infertility and reproductive medicine, obstetrics, pediatric and adolescent gynecology, and urogynecology and female urology. Women with complicated medical conditions have options ranging from minimally invasive surgery or procedures to major surgery, including highly advanced robotic surgery.

**HIV/AIDS** medical care and social services are provided by the Madison Clinic for HIV-positive patients. Care is also available for HIV-negative persons who are interested in pre-exposure prevention.

**Hand, Elbow & Shoulder Center** treats complex injuries and chronic conditions that affect the body from the shoulder to the fingertip, including musculoskeletal, peripheral nerve and skin conditions.

**Heart Center (Regional)** provides a full range of cardiac care — from acute inpatient through outpatient clinic and diagnostic care — at hospital and clinic locations around the region.

**Hip & Knee Center** provides comprehensive care of simple and complex disorders of hip and knee joints with a specialty in the surgical treatment of these joints.

**International Medicine Clinic (Harborview)** provides primary care to adult refugees and immigrants ages 16 and older. Non- and limited-English speaking patients are assisted by staff who speak the languages most commonly encountered in the clinic: Amharic, Cambodian, Cantonese, Chao Jo, Mandarin, Hmong, Laotian, Mien, Oromo, Somali, Tigrinya and Vietnamese.
Kidney Stone Center provides a single point of care for patients with acute or recurrent kidney stones. Treatments include nonsurgical and minimally invasive surgical procedures with specialized tools such as Holmium lasers and ultrasonic or ultrasound equipment.

Maternal-Fetal Medicine specialists consult on pregnancies at risk for preterm delivery and maternal conditions such as diabetes, hypertension and diseases of the heart, kidneys, lungs and immune system. Services also include prenatal screening, counseling and diagnosis of suspected fetal anomalies and genetic conditions.

Memory and Brain Wellness Center promotes the well-being of persons living with memory loss and their families by providing care, advancing scientific understanding and building dementia-friendly communities.

Men's Health Center provides evaluations and treatments for urologic, sexual and reproductive health involving common conditions such as benign prostatic hyperplasia (enlarged prostate), erectile dysfunction, low testosterone, infertility and urinary incontinence.

Multiple Sclerosis Center offers a full range of diagnostic and therapeutic services with the goal of achieving optimal control of disease activity and management of symptoms.

Neurosciences Institute offers diagnosis and treatment to patients with disorders of the nervous system. It is home to a wide variety of clinics, including brain tumors, epilepsy, memory and brain wellness, stroke, multiple sclerosis, neurology and neurological surgery.

Otolaryngology-Head and Neck Surgery specializes in treating diseases and disorders of the ear, nose, throat, and related structures of the head and neck. Conditions treated include chronic sinusitis, dizziness, reduced or loss of ability to hear, speak and/or swallow, head and neck cancer, and thyroid or parathyroid disorders. Facial reconstructive and cosmetic services are also available.

Obstetrics provides comprehensive, personalized care at every stage of pregnancy, from before conception to after delivery. Special programs are also available for pregnant women (see Maternal-Fetal Medicine).

Pain Medicine specializes in treating patients with acute or chronic pain. A multidisciplinary team includes specialists in pain medicine, anesthesia, internal medicine, orthopedics, neurology, radiology, psychiatry, physical and occupational therapy, and complementary medicine.

Psychiatry and Behavioral Health provides mental health services to patients at UW Medicine primary care and specialty care facilities throughout the Puget Sound region. The team also provides clinical consultations to patients with behavioral health problems in a range of UW Medicine medical and surgical programs and to providers in the WWAMI (Washington, Wyoming, Alaska, Montana and Idaho) region.
Reproductive Care offers comprehensive care to men and women trying to conceive a child. Services are also available for all women with reproductive endocrine concerns such as recurrent pregnancy loss, diagnosis and management of polycystic ovarian syndrome, premature ovarian failure and other disorders of ovulation and menstruation.

Sports Medicine provides comprehensive care for musculoskeletal injuries and guidance to improve sports performance and prevent future injuries. Providers include the team physicians for the UW Huskies, Seattle Seahawks, various Seattle Public High Schools, Seattle Marathon, and Rock ‘n’ Roll Seattle Marathon.

Stroke Center (Comprehensive) provides comprehensive care of stroke patients from diagnosis to rehabilitation. As the region’s first Comprehensive Stroke Center, it provides advanced stroke care and therapies around-the-clock for all patients including those with the most complex stroke conditions.

Surgical Services & Hernia Center provides general surgery and breast, hernia, colorectal and vascular surgery, among other specialties.

Transplant Services includes heart transplantation, kidney-pancreas transplantation, liver transplantation, lung transplantation, intestinal transplantation and reconstructive transplantation (face and hand). UW Medicine surgical teams have performed more than 1,500 liver transplants, 500 heart transplants and 500 lung transplants.

Trauma & Emergency Services provides 24/7 emergency medical services for all illnesses and injuries. Harborview Medical Center is the only Level I adult and pediatric trauma and burn center for Washington, Alaska, Montana and Idaho.

Urogynecology and Female Urology provides comprehensive care for female pelvic floor disorders, including pelvic organ prolapse and urinary incontinence, frequency and urgency.

Vascular Center (Regional) provides medical and surgical treatments for a broad spectrum of vascular problems. Minimally invasive endovascular procedures such as clearing clogged vessels with balloon angioplasty, laser, implanting of stents and placement of stent grafts are used whenever possible.

Virtual Clinic allows anyone located in Washington to receive expert healthcare any time of the day or night at home, the office or anywhere convenient care is needed. During a virtual clinic visit, a board-certified family practice doctor or nurse practitioner provides assessment and treatment over the phone or through a webcam on the patient’s smartphone, tablet or computer.

Weight-Loss Management Center help patients who are obese lose weight and regain their health. The center offers Habits for Health courses that encourage patients to engage in brisk physical activity as well as diet, exercise and medication treatment plans. Options for weight-loss surgery include open surgeries and less-invasive laparoscopic procedures.
Everyone is included
UW Medicine supports equity and diversity in our classrooms, clinics, workplace and community. Our faculty and staff are passionate about finding solutions to the social issues that create barriers and disparities in access to healthcare.

Center for Health Equity, Diversity & Inclusion provides a training environment for medical students that is diverse, inclusive, collaborative and supportive.

Healthcare for the Homeless: Harborview’s Pioneer Square Clinic has offered primary and episodic care to the homeless and low-income community living in and around downtown Seattle since 1971. We extend our reach beyond the clinic walls by providing services to people where they live, whether it’s a homeless shelter, a special housing unit or a medical respite unit.

- Edward Thomas House Medical Respite is a harm reduction program that provides recuperative care to homeless men and women who are too sick to return to the shelter or streets but do not require a hospital level of care. The program received the Community Health Leadership Award from the Washington State Hospital Association in 2013.

- Third Avenue Center provides acute and primary health care for adult patients residing in downtown Seattle. Its location in YWCA Opportunity Place helps to engage homeless and at-risk patients in primary care.

Immigrant and Refugee Healthcare: Our patients come from all over the world, representing many cultures and speaking many languages. Interpreter Services provides free medical interpretation (in person and by telephone) in more than 90 languages and dialects and communication assistance for patients who are blind, deaf or hard of hearing.

- Community House Calls serves patients with limited English proficiency who receive healthcare at Harborview by adding specially trained bilingual and bicultural caseworkers to the care team.

- EthnoMed is a website that contains information about cultural beliefs, medical issues and related topics pertinent to the healthcare of immigrants — many of whom are refugees fleeing war-torn parts of the world.

Leaders in Healthcare Equity: All four UW Medicine hospitals have been recognized as Leaders in LGBT Healthcare Equality. We prohibit any form of discrimination based on sexual orientation and gender identity, guarantee equal visitation rights for same-sex partners and parents, and provide LGBT health education for staff members.

UW Medicine provided more than $417 million in uncompensated care systemwide in fiscal year 2017.
Patient care, quality and safety awards
UW Medicine
American Hospital Association Circle of Life Award: UW Cambia Palliative Care Center of Excellence
CEO Roundtable on Cancer: Gold Standard Employer

Harborview Medical Center
American Heart Association: “Get With The Guidelines” Stroke Gold Plus Award/Target Stroke Elite Plus
Centers for Disease Control and Prevention (CDC):
   Healthcare-Associated Venous Thromboembolism Prevention Champion
HealthGrades: Distinguished Hospital Award for Clinical Excellence (2018)
Human Rights Campaign: National Leader in LGBT Healthcare Equality (since 2011)
LifeCenter Northwest: Donation Referral Achievement Award
Practice Greenhealth: Top 25 Environmental Excellence Award
Qualis Health Award of Excellence in Healthcare Quality: Improving Diabetes Self-Management with Limited-English-Proficient Patients Using Bilingual/Bicultural Diabetes Navigators
SightLife: Vision Award in recognition of exceptional results in cornea donation
U.S News & World Report – Best Hospitals 2017-2018:
   • No. 6 in Seattle Metro Area (tie)
   • No. 8 in Washington (tie)
   • Nationally ranked in orthopedics and rated high-performing in urology
Washington State Department of Health: Antimicrobial Stewardship Honor Roll
Northwest Hospital & Medical Center

American Heart Association: "Get With The Guidelines" Stroke Gold Plus Award/Target Stroke Elite Plus
Baby-Friendly USA: Baby-friendly designation for maternity care
HealthGrades: America's 100 Best Hospitals for Stroke Care Award; Five Star Rated – Stroke Care; Patient Safety Excellence Award; Pulmonary Care Excellence Award; Stroke Care Excellence Award
Joint Commission: Certification for Advanced Palliative Care
Leapfrog Group: “A” for Hospital Safety (since 2016)
Practice Greenhealth: Top 25 Environmental Excellence Award
U.S News & World Report – Best Hospitals 2017-2018:
- No. 1 in Seattle Metro Area
- No. 1 in Washington
- No. 5 national ranking in Cancer (provided through the Seattle Cancer Care Alliance of UW Medicine, Fred Hutchinson Cancer Research Center and Seattle Children’s)
- No. 5 national ranking in Rehabilitation (provided jointly with Harborview Medical Center)
- No. 20 national ranking in Geriatrics
- High Performing in Aortic Valve Surgery, Heart Bypass Surgery, Heart Failure, Colon Cancer Surgery, Lung Cancer Surgery, and Neurology and Neurosurgery
Washington State Department of Health: Antimicrobial Stewardship Honor Roll

UW Medical Center

American Nurses Credentialing Center: Magnet Recognition for quality patient care, nursing excellence and innovations in professional nursing practice (first in world in 1994)
Baby-Friendly USA: Baby-friendly designation for maternity care
Becker’s Hospital Review: 100 Great Hospitals in America (since 2015)
Centers for Medicare & Medicaid Services – Overall Hospital Quality Rating: 5 Stars
Healthgrades: America’s 100 Best Hospitals for Prostate Surgery Award; Cardiac Surgery Excellence Award; Outstanding Patient Experience Award
Joint Commission: Certification for Advanced Palliative Care
Leapfrog Group: “A” for Hospital Safety (since Fall 2017)
Practice Greenhealth: Top 25 Environmental Excellence Award
U.S News & World Report – Best Hospitals 2017-2018:
- No. 1 in Seattle Metro Area
- No. 1 in Washington
- No. 5 national ranking in Cancer (provided through the Seattle Cancer Care Alliance of UW Medicine, Fred Hutchinson Cancer Research Center and Seattle Children’s)
- No. 5 national ranking in Rehabilitation (provided jointly with Harborview Medical Center)
- No. 20 national ranking in Geriatrics
- High Performing in Aortic Valve Surgery, Heart Bypass Surgery, Heart Failure, Colon Cancer Surgery, Lung Cancer Surgery, and Neurology and Neurosurgery
Washington State Department of Health: Antimicrobial Stewardship Honor Roll
Women's Choice Award: Best Hospitals for Bariatric Surgery, Cancer Care, Obstetrics and Patient Experience
UW Neighborhood Clinics

National Committee for Quality Assurance: Five UW Neighborhood Clinics awarded Level 3 Patient-Centered Medical Home Recognition

Qualis Health: Award of Excellence in Healthcare Quality Outpatient Setting for “Integrating Behavioral Health into Primary Care”

Valley Medical Center

Baby-Friendly USA: Baby-friendly designation for maternity care

BlueCross BlueShield Association: Blue Distinction Center in Knee and Hip Replacement, Maternity Care, and Spine Surgery

Healthcare Information Management Systems Society: Stage 7 Award

Healthgrades:
  • America’s 100 Best Hospitals Award (2018)
  • Distinguished Hospital Award for Clinical Excellence (since 2017)

Human Rights Campaign: National Leader in LGBT Healthcare Equality (since 2012)

Joint Commission: Advanced Certification Program for Palliative Care

LifeCenter Northwest: Organ Donation Achievement Award

U.S News & World Report – Best Hospitals 2017-2018:
  • No. 6 in Seattle Metro Area (tie)
  • No. 8 in Washington (tie)
  • High Performing in Heart Failure, Hip Replacement, and Knee Replacement
Leading the way
Chief Executive Officer and Dean of the School of Medicine
Paul G. Ramsey, M.D.

Vice Deans of the School of Medicine
Vice Dean for Academic, Rural and Regional Affairs: Suzanne M. Allen, M.D., M.P.H.
Vice Dean for Administration and Finance: Mark Green, J.D.
Vice Dean for Graduate Medical Education: Byron Joyner, M.D.
Vice Dean for Research and Graduate Education: John T. Slattery, Ph.D.

Vice Presidents
Chief Advancement Officer: Don Theophilus, J.D.
Chief Business Officer: Ruth Mahan, J.D.
Chief Financial Officer: Jacqueline Cabe
Chief Health System Officer: Lisa Brandenburg
Chief Medical Officer: Carlos Pellegrini, M.D.

Senior Leadership
Associate Chief Medical Officer: David R. Flum, M.D.
Chief Communications Officer: Glenn M. Bieler, J.D.
Chief Compliance Officer: James Mathis, J.D.
Chief Information Officer: Joy Grosser
Chief of Staff: Christy Gullion, M.P.A.
Director of Government Relations: Ian Goodhew, J.D.
Director of Quality Metrics: J. Richard Goss, M.D.
Enterprise Finance Officer: Maureen Broom
Medical Director of Care Management and Population Health: David C. Dugdale, M.D.
Strategic Clinical Business Officer: Lori Oliver, J.D., M.B.A.

Entity Leadership
Airlift Northwest: Chris Martin, Executive Director
Harborview Medical Center: Paul Hayes, Executive Director
Northwest Hospital & Medical Center: Cindy Hecker, Executive Director
UW Medical Center: Geoff Austin, Executive Director
UW Neighborhood Clinics: Debra Gussin, Executive Director
UW Physicians: Timothy Dellit, M.D., President
Valley Medical Center: Rich Roodman, Chief Executive Officer
Eight entities working together
ENTITY FACT SHEETS

UW Medicine's 28,000-plus employees work at eight entities in the Puget sound region. Read on for more information about each entity.
AIRLIFT NORTHWEST

Airlift Northwest is dedicated to providing safe, efficient air medical care to critically ill and injured infants, children and adults. Its aircraft are strategically located at seven bases throughout the Pacific Northwest and Southeast Alaska for rapid deployment.

Airlift Northwest Fleet in Washington

- Three Airbus H-135 high-performance helicopters and one Agusta A109E helicopter based in Bellingham, Arlington, Olympia and Bremerton
- One fixed-wing Pilatus PC-12 and one Airbus H-135 helicopter based in Yakima
- One fixed-wing Pilatus PC-12 and one backup fixed-wing Learjet 31A based in Seattle

Airlift Northwest Fleet in Alaska

- One fixed-wing Learjet 31A and one fixed-wing Pilatus PC-12 based in Juneau

AirCare Program

AirCare membership protects patients who are residents of Washington and Southeast Alaska from the unexpected — and often expensive — costs of air transport during a medical emergency. For a small annual fee, membership provides coverage for an entire household. Vacation coverage for nonresidents is also available. Learn more at: airliftnw.org/aircare.

History

Airlift Northwest was founded in 1982 by Dr. Michael Copass and a consortium of hospitals in the Seattle area, including UW Medical Center, Seattle Children’s and Harborview Medical Center, to bring high-quality air medical transportation to an underserved area in Southeast Alaska. Since then, Airlift Northwest has expanded to provide service to a four-state region and has transported more than 100,000 patients to regional hospitals.

FY 2017 STATISTICS

Total patients served: 3,639
Employees: 112
HARBORVIEW MEDICAL CENTER

Harborview Medical Center is owned by King County, governed by a county-appointed board of trustees and managed by UW Medicine.

Areas of Specialization
- Level I adult/pediatric trauma and burn care
- Emergency medicine and disaster management
- Eye and optometric institute
- HIV/AIDS
- Neurosciences
- Psychiatric and psychological services, including severe mental illness and substance abuse
- Rehabilitation services
- Sports, spine and orthopedic care
- Vascular conditions

Uncompensated care
Harborview provides comprehensive care to patients from all walks of life as part of its mission. In fiscal year 2017, Harborview provided more than $206 million in uncompensated care.

History
In 1877, Harborview was founded as the six-bed King County Hospital in South Seattle. In 1931, it moved to its present location overlooking Puget Sound and its name was changed to Harborview Hospital, now known as Harborview Medical Center. UW Medicine's management of Harborview has enabled the hospital to become a leading academic medical center, and new facilities have been added with support from voter-approved bond projects and Harborview reserve funds. The Norm Maleng Building opened in 2008 and the Ninth & Jefferson Building opened in 2009.

FY 2017 STATISTICS
- Licensed beds: 413
- Employees: 5,491
- Admissions: 17,158
- Clinic visits: 258,666
- Emergency Department visits: 58,847
NORTHWEST HOSPITAL & MEDICAL CENTER

Northwest Hospital & Medical Center is an acute care community hospital located in North Seattle. A satellite clinic of the Seattle Cancer Care Alliance offers a variety of services on campus, including medical oncology, hematology and radiation oncology.

Areas of Specialization

• Level I Stroke Center
• Cardiology, cardiac surgery and cardiac rehabilitation
• General surgery
• Geropsychiatry
• Hernia Center
• Multiple Sclerosis Center
• Neurology and neurosurgery
• Obstetrics, including midwifery program
• Oncology
• Orthopedic joint surgery
• Rheumatology
• Spine surgery
• Sports medicine

History

After a successful community effort to raise funds for a hospital outside of downtown Seattle, Northwest Hospital opened in 1960. It quickly began developing its 33-acre campus with the addition of new facilities and services. An additional 11 acres were added to the hospital’s footprint with the opening of the Northwest Outpatient Medical Center, which includes specialty services and an outpatient surgery center. Today, Northwest Hospital & Medical Center is a full-service medical center, providing a critical resource for emergency, inpatient and outpatient care to the surrounding community. Northwest Hospital & Medical Center became an entity of UW Medicine in January 2010.

FY 2017 STATISTICS

Licensed beds: 281
Employees: 2,356
Admissions: 9,945
Clinic visits: 174,257
Emergency Department visits: 34,150
Births: 1,166
UW MEDICAL CENTER

UW Medical Center is ranked as the top hospital in the state by U.S. News & World Report. In addition, the magazine ranks it in the top 10 nationally for cancer care and rehabilitation (joint program with Harborview).

Areas of Specialization

- Level IV neonatal intensive care unit
- Cancer care and blood and marrow transplantation
- Cardiac care, including advanced procedures, complex surgeries, mechanical circulatory support devices and transplantation
- Obstetrics, including high-risk care
- Otolaryngology, including head and neck surgery for treating diseases and disorders of the ear, nose and throat
- Radiation therapy
- Robotic-assisted surgery for gynecological oncology, urology, otolaryngology and general surgery
- Solid organ transplantation of the liver, kidney, heart, lung, pancreas and intestine
- Sports, spine and orthopedics care.

History

UW Medical Center opened as University Hospital in 1959 and quickly became a leader in healthcare innovation and standard setting for safe, high-quality patient care. In 2012, the 273,000-square-foot Montlake Tower opened with expanded space for oncology services, radiology and the Neonatal Intensive Care Unit.

FY 2017 STATISTICS

Licensed beds: 529
Employees: 5,595
Admissions: 18,964
Clinic visits: 341,014
Emergency Department visits: 27,730
Organ Transplants: 356
Bone marrow transplants (with SCCA): 401
Births: 1,943
UW NEIGHBORHOOD CLINICS

UW Neighborhood Clinics is a network of community-based clinics located throughout the Puget Sound region. The clinics provide a wide spectrum of primary care and secondary care services, from pediatrics to geriatrics, using the medical home model. Ancillary services include onsite laboratories and digital radiology facilities.

Clinic Locations
- Ballard
- Belltown
- Factoria
- Federal Way
- Issaquah
- Kent / Des Moines
- Northgate
- Olympia
- Ravenna
- Shoreline
- Smokey Point
- Woodinville
- UW Medicine Lopez Island Clinic
- UW Medicine Orcas Island Clinic

History
UW Neighborhood Clinics first opened in 1997.

FY 2017 STATISTICS
Employees: 507
Clinic visits: 338,174
UW PHYSICIANS

UW Physicians is the practice group for more than 2,000 physicians and other healthcare professionals who care for patients throughout the WWAMI (Washington, Wyoming, Alaska, Montana and Idaho) region.

UW Physicians and Children’s University Medical Group physicians are active faculty in the UW School of Medicine. They are known for defining state-of-the-art medical care both regionally and nationally and have enhanced the basic understanding of disease processes, medical information technology and treatment options worldwide. They teach future healthcare professionals in one of the most highly regarded and competitive medical schools in the nation.

History
UW Physicians was formed in 1962 as the Association of University Physicians (AUP) to provide medical services to the community and support the mission of the UW School of Medicine. AUP was incorporated as a nonprofit corporation legally distinct from the University of Washington in 1983. The name changed to UW Physicians in 1989.

FY 2017 STATISTICS
Physicians and other healthcare professionals: 2,299
Total outpatient visits: 1,637,855
The UW School of Medicine serves the five-state WWAMI region: Washington, Wyoming, Alaska, Montana and Idaho. The School is ranked second in the nation in total federal research grants and contracts with $749.9 million in total revenue (fiscal year 2016) according to the Association of American Medical Colleges.

Programs
- M.D. - Provides medical students with consistent mentoring for excellence in clinical skills and patient-centered care.
- Graduate Medical Education (GME) - Provides advanced training through 28 residency and 76 clinical fellowship accredited programs (ACGME). Other fellowship programs are approved by national specialty societies.
- MEDEX Northwest - A regional program to educate physician assistants with a focus on primary care for underserved populations.
- Medical Scientist Training Program (MSTP) - Enables highly qualified candidates to obtain both M.D. and Ph.D. degrees for careers in basic medical research.
- Allied Health Programs - Undergraduate and graduate training for health sciences careers.

Teaching Programs: Family Medicine and Rural Medicine
- No. 1 in nation for 26 consecutive years (1993-2018; ratings discontinued in 2019)

Medical Programs and Specialties (2019)
- Pediatrics: No. 7 (tie)
- Surgery: No. 8 (tie)
- Internal Medicine: No. 9

Graduate Programs and Specialties (2019)
- Microbiology: No. 2 (tie)
- Genetics/Genomics/Bioinformatics: No. 5
- Biomedical/Bioengineering: No. 9 (tie)

World Rankings
- The University of Washington is ranked No. 2 in the world for clinical medicine and pharmacy in the 2016 Academic Ranking of World University (published by the Shanghai Ranking Consultancy).
- UW Medicine faculty contribute to top 10 world rankings in 31 subject categories based on the number of research articles in top-tier journals in the Center for World University Rankings by Subject – 2017.

History
In 1946, the University of Washington School of Medicine opened its doors as the first new medical school on the West Coast since 1910. Three years later, the School received full accreditation from the American Medical Association and the Association of American Medical Colleges.
VALLEY MEDICAL CENTER

Valley Medical Center is a 321-bed acute care community hospital and clinic network. As the oldest and largest public hospital district system in the state of Washington, it serves more than 600,000 residents in Southeast King County.

Areas of Specialization

- Level III Trauma Center & emergency services
- Birth Center and Level III Neonatal ICU
- Breast and bone density screening
- Cancer treatment, infusion and support
- General and specialty surgery
- Gynecology, urogynecology and urology
- Imaging services
- Joint replacement and orthopedics
- Lifestyle medicine and fitness
- Nephrology
- Neuroscience, pediatric neurology, stroke and spine
- Obstetrics, midwifery and maternal fetal medicine
- Occupational health services
- Psychiatry and counseling
- Rehabilitation and children’s therapies

History

Valley Medical Center was founded as a public district hospital in 1947 after voters approved general obligation bonds to purchase Renton Hospital. In 1969, voter-approved bonds allowed the medical center to move and expand its services to care for the rapidly growing population in Southeast King County. Numerous expansions and upgrades have occurred over the years. Valley Medical Center became an entity of UW Medicine in July 2011.

FY 2017 STATISTICS

- Licensed beds: 321
- Employees: 3,548
- Admissions: 18,153
- Clinic visits: 529,092
- Emergency Department visits: 83,907
- Births: 3,742
Partners for success
UW Medicine shares in the ownership and governance of the Seattle Cancer Care Alliance and in the ownership of Children’s University Medical Group. UW Medicine also has strong affiliations with Fred Hutchinson Cancer Research Center, Seattle Children’s, VA Puget Sound Health Care System and Boise VA Medical Center.

**Children’s University Medical Group (CUMG)**
- Group practice for UW School of Medicine faculty who provide clinical care to pediatric patients
- Members provide clinical services primarily at Seattle Children’s Hospital but also practice at other sites

**Seattle Cancer Care Alliance (SCCA)**
- Established in 1997 by UW Medicine, Fred Hutchinson Cancer Research Center and Seattle Children’s with equal ownership for each partner
- Diagnosis and treatments for all types of cancers
- International destination center for bone marrow transplants
- Outpatient care is delivered at SCCA; adult inpatients are treated at UW Medical Center; pediatric patients receive care at Seattle Children’s

**Fred Hutchinson Cancer Research Center (Fred Hutch)**
- An independent, nonprofit biomedical research institution
- World leader in research to understand, treat and prevent cancer, HIV/AIDS and other life-threatening diseases
- Pioneered bone-marrow transplantation as a successful treatment for leukemia and other blood diseases
- Many Fred Hutch scientists and researchers hold appointments at the UW School of Medicine

**Seattle Children’s**
- Private, nonprofit healthcare facility for pediatric patients; conducts research and trains pediatric specialists
- Primary teaching, clinical and research site for UW Medicine’s Department of Pediatrics
- Majority of physicians practicing at Seattle Children’s hold faculty appointments at the UW School of Medicine
VA Puget Sound Health Care System

- Serves veterans in the Pacific Northwest region; education and research support from UW Medicine
- Inpatient care is provided at its American Lake facility (VA American Lake) in Tacoma and its Beacon Hill facility in Seattle
- Outpatient care is provided at three community-based clinics: a VA-staffed clinic in Bremerton and two contract clinics in Shoreline and Federal Way (UW Neighborhood Clinic locations)
- UW School of Medicine faculty who practice at VA Puget Sound are members of its medical staff
- VA Puget Sound plays a major role in training the next generation of health professionals

Boise VA Medical Center

- Affiliation with the University of Washington since 1974 for the training of residents in primary-care internal medicine
- Provides primary, secondary and tertiary services, including aging, clinical pharmacology, neuropharmacology, cardiovascular pharmacology, pulmonary physiology and pharmacology, immune-pharmacology, and infectious diseases
- Actively involved with healthcare delivery throughout the entire state of Idaho; region includes an estimated veteran population of 70,000
photo finish

Page 5: Dr. Belding Scribner (right) with Clyde Shields, who was the first patient to receive the Scribner shunt for long-term dialysis, 1960

Page 6  (clockwise): WAMI Press conference; Edwin G. Krebs and Edmond H. Fischer; Open heart surgery case at King County Hospital, now Harborview Medical Center

Page 7: Drs. Jonathan Himmelfarb, Victor Gura (UCLA) and Larry Kessler look over the components of the Wearable Artificial Kidney.

Page 8: Jamie Cuzick (l), donor in the Pacific Northwest's first live liver transplant to Kailyn McIrvin, October 2015.

Page 9: Artificial heart transplant recipient Christopher Marshall with Dr. Nahush A. Mokadam, co-director of heart transplantation and the program director for mechanical circulatory support (ventricular assist devices) at UW Medical Center.

Page 10: National Medal of Science presented to Dr. Mary-Claire King, May, 2016 (photo courtesy of the White House)

Pages 12-14: photos courtesy of Institute for Health Metrics and Evaluation (IHME)

Page 17: (from top) Dr. Nora Disis, UW Medicine, South Lake Union, Seattle; Dr. David Baker, UW Medicine, South Lake Union, Seattle

Page 20: (left to right): Drs. Jerry Ball and the late Roger Rosenblatt in Galena, Alaska, c. 1971.

Page 36: (left to right): Dr. John T. Slattery; Dr. Francis S. Collins (director of the National Institutes of Health); Sen. Patty Murray (D-Wash.); Dr. Paul G. Ramsey

Page 48: (left to right): Former Vice President Joe Biden watches a video of tumor-melting T cells with Fred Hutch's Dr. Joshua Veatch while visiting Dr. Stan Riddell's lab. Biden toured the campus as part of his cancer moonshot listening tour in 2016. Photo by Robert Hood / Fred Hutch News Service