



Pediatric Endocrinology Fellowship Program

Sara DiVall, MD

Juanita Hodax, MD

2024



Seattle Children's®
HOSPITAL • RESEARCH • FOUNDATION

UW Medicine

UW SCHOOL
OF MEDICINE

Patrick

About the Fellowship



Vision: To create innovators in research, education, and clinical care to advance the field of pediatric endocrinology

Mission: Provide a diverse, comprehensive training environment that nurtures innovation, problem solving and compassionate care.



3 fellows in 2022



Aim 1: To provide a curriculum that cultivates critical review of the literature, teaches deep knowledge of endocrine physiological and pathophysiological pathways, and judicious selection and interpretation of laboratory testing.

Aim 2: To provide mentorship and tools to train fellows in the navigation of regulatory and logistical processes of scientific investigation from study design and initiation to dissemination of findings.

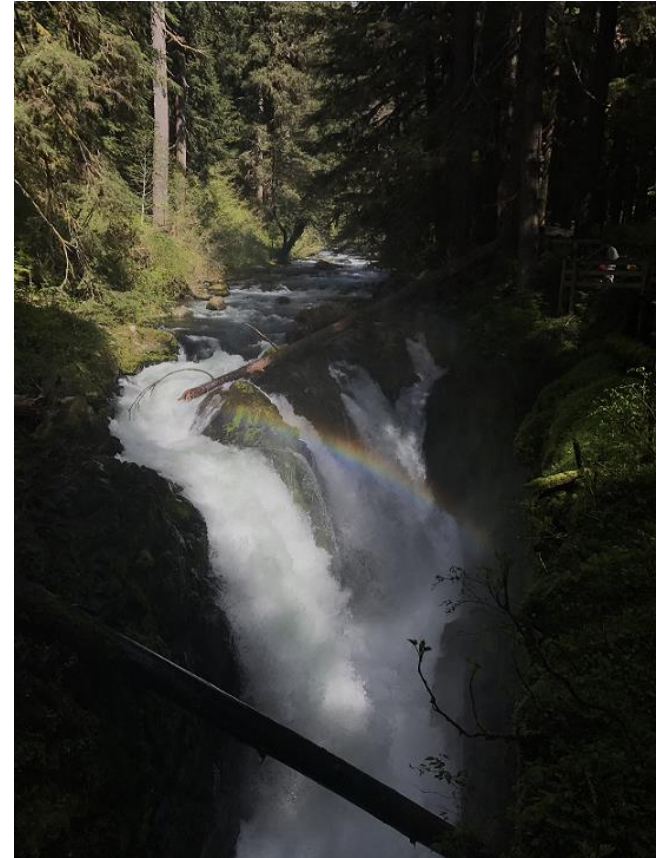
Aim 3: To model the navigation of complex health care systems and teach fellows to harness available resources for provision of equitable, respectful care to a diverse population.

Fellowship Structure



UW

- 3 years – 1 fellow per year
- 2 tracks after 1st year
 - Academic Clinician
 - Intended for trainees wishing to pursue a career with a clinical or educational focus.
 - Physician-Scientist
 - Intended for trainees wishing to pursue a career with a research focus



Fellowship Structure – Year 1



UW

- 20 weeks inpatient
 - 2-week increments
 - 35% “sugar” service, 65% consult
- 24 weeks outpatient
- 8 weeks research
- Continuity clinic (1 full day/week)
- Diabetes Camp – Camp Leo



Multidisciplinary Clinical Programs

- DSD clinic
- Gender Clinic
- Diabetes AYA Clinic
- Prader Willi Clinic
- Insulin Resistance Clinic
- Type 2 Diabetes Clinic
- Neuro-oncology Clinic
- Skeletal Health
- Duchenne Muscular Dystrophy
- Lipid Clinic
- Turner Syndrome
- Reproductive Endocrinology Clinic



Fellowship structure – Year 2



Academic Clinician:

- 12 weeks inpatient (consult)
- Continuity clinic (Full day)
- Option for additional specialty clinics
- Protected time for research

Physician-Scientist

- 2-4 weeks inpatient (consult)
- Continuity clinic (1/2 day)
- Enrollment in T32 or other formal research training program (must apply in year 1)



Option to attend Diabetes Camps in all years

Fellowship Structure Year 3



UW

Academic Clinician:

- 8-10 weeks inpatient (consult + sugar service)
- Continuity clinic (Full day)
- Option for additional specialty clinics
- Protected time for research

Physician-Scientist:

- 2-3 weeks inpatient (consult + sugar service)
- Continuity clinic (1/2 day)
- Continued enrollment in T32 or other formal research training program



Fellow graduation party 2023

Option to attend Diabetes Camps in all years

Call commitments

- Inpatient rotation fellow takes calls 8am – 6pm
- After hours calls and weekends are uncoupled from the daytime block schedule

1 weekend per month

1 weeknight per week



Benefits



University of Washington Housestaff Union

28 Days of vacation/year

17 sick days per year that roll over

Childcare benefits (must apply and meet eligibility requirements)

SCH-Free parking on campus

SCH- Meal coverage when on call



Fellows retreat cruise Spring 2022

Seattle Children's Hospital



Seattle Children's Hospital



River



Seattle Children's
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Our Patients

Annual Patient Visits: 391,653



Beds

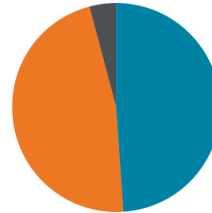
Total Licensed Beds: **407**
(364 in operation as of 12/31/2022)

Medical/Surgical Unit: **167**
Pediatric Intensive Care Unit: **64**
(including Cardiac ICU)
Cancer and Blood Disorders Center: **48**
Psychiatry and Behavioral Medicine Unit: **41**
Neonatal Intensive Care Unit: **32**
Rehabilitation Unit: **12**



Home Care

Patient Supply/Equipment Deliveries:
43,546



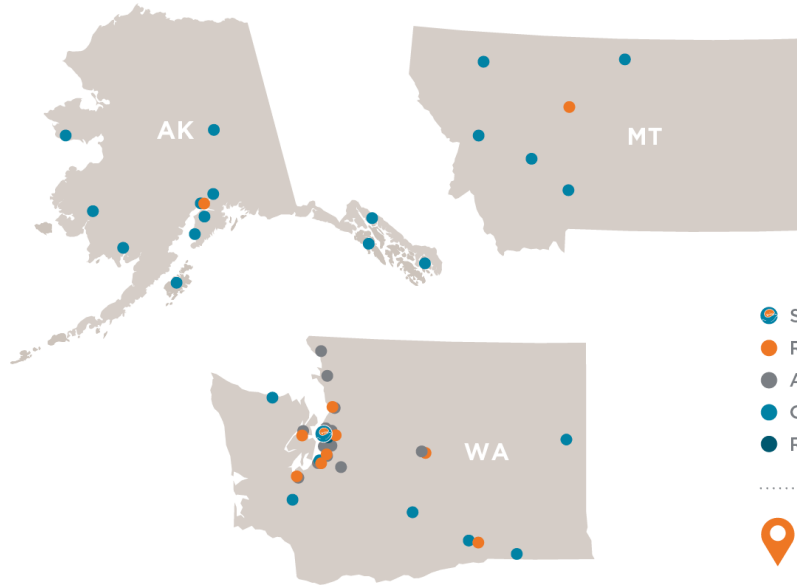
Payor Mix (%)

Medicaid Managed Care Organizations and Medicaid: **49%**
Commercial Insurers: **47%**
Other Government: **4%**



Our Locations

Seattle Children's serves as the pediatric and adolescent academic medical center for Washington, Alaska, Montana and Idaho – the largest region of any children's hospital in the country.



- Seattle Children's Hospital Campus
- Regional Clinics
- Affiliates and Partners
- Outreach Sites and Clinics
- Research Institute Locations

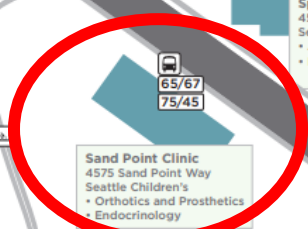
10 Regional Clinics
Puget Sound, Wenatchee, Tri-Cities, Anchorage and Great Falls

13 Affiliates
Puget Sound and Eastern Washington

24 Outreach Sites and Clinics
Washington, Alaska and Montana



Seattle Children's®



Sand Point Clinic
4575 Sand Point Way
Seattle Children's
• Orthotics and Prosthetics
• Endocrinology

Springbrook #1
4540 Sand Point Way
Seattle Children's
• Adolescent Medicine
• Fetal Care and Treatment Center



Pediatric Endocrinology Division



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UW Medicine

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Charlotte and Beatrice

Faculty and Staff



- 22 Faculty
- 12 Advanced Practice Providers
- 22 RNs and Diabetes Educators
- 6 Dietitians
- 2 Social Workers
- 1 Psychologist
- 1 Child Life Specialist
- 6 Administrative Assistants



DIVISION CHIEF

Catherine Pihoker, MD

Professor, Pediatrics



FELLOWSHIP DIRECTOR

Sara A Divall, MD

Fellowship Director
Associate Professor, Pediatrics



ASSOCIATE PROGRAM DIRECTOR

Juanita K Hodax, MD

Acting Assistant Professor, Pediatrics





UW

Core Curriculum

Core Curriculum



UW

- Tuesdays – Endocrine Seminar
 - Division Wide
 - Didactics
 - Research conference
 - Journal clubs
 - Guest speakers
- Tuesdays – Fellows Report
 - Fellows only
 - Pathophys and Physiology-pathways
 - Structured journal club (classic endocrine papers)
 - Board review
 - Consensus paper review

Additional Educational Opportunities



- Endocrine division meetings (q 1 month)
- DSD conference (q 2 months)
- Gender care lecture series (q 2 months)
- Reproductive endocrinology conference (q 3 months)
- UW diabetes seminars
- Many more hospital wide education sessions

IMPE 2023

PES 2023



- Core curriculum
 - Quarterly sessions – ½ day
 - New fellow survive and thrive
 - Scholarship symposia
 - Launching a successful career
 - Mid year refresher
- Lunch or Happy hour follows
- Open to all fellows at SCH
- Complements curriculum provided in individual training programs
- Annual Fellow and Resident Research Day

Topics include

- **Wellness and time management**
- **Teaching**
- **Research Methods**
- **Choosing a mentor**
- **QI and safety**
- **Writing grants and manuscripts; effective scientific presentations**
- **Career options – Academic, non-academic**
- **Negotiation**
- **Networking**



UW

Research





Research Opportunities



Academic Clinician

Areas of Research

- T1DM, T2DM
- Obesity
- Pituitary
- Gender Diversity
- Education research

Training Opportunities/courses

- Intro to research methods (Department of Peds)
- Institute for Translational Health Sciences
- Intro to clinical research Boot Camp
- Clinical Research Intensive summer program



Research Opportunities



Physician Scientist

Areas of Research

T1DM – clinical

T1DM – basic

Obesity – Clinical

Obesity – Basic

T2DM clinical

T2DM basic

Quality Improvement

Training Programs

Diabetes T32

Obesity/Complications T32

Child Health Equity T32

Quality Improvement Fellows
Program



Fellow with Bod Pod used for research project

Past Fellows Research Projects

- Comparative efficacy of puberty blockers in gender diverse youth
- Disparities in AKI in children and adolescents with DKA
- Effect of probiotic on microbiome in adolescents
- Feasibility and acceptability of CGM in youth with T2DM
- Rates of Disordered eating in youth with T1 and T2DM in the SEARCH for Diabetes Cohort
- Attitudes towards hypoglycemia and their management in youth athletes with T1DM
- Identified causes of idiopathic diabetes insipidus – a single center study

Fellows – Where are they now?

- Rohan Henry, MD, MS (Nationwide Children's in Columbus)
- Harvey Chiu, MD (UCLA Health)
- Carolina Di Blasi, MD (Seattle Children's Hospital)
- D. Millie Nandi-Munshi, MD (Seattle Children's Hospital)
- Angela Tridgell, MD (Children's Hospitals and Clinics of Minnesota)
- Heba Ismail, MBBCh, MSc, PhD (Indiana University)
- Faisal Malik, MD (Seattle Children's Hospital)
- David Werny, MD (Seattle Children's Hospital)
- Alissa Roberts, MD (Seattle Children's Hospital)
- Angel Nip, MD (University of California, San Francisco)
- Allison LaRoche, MD (Swedish Pediatrics)
- Arushi Verma, MD (University of Nevada, Reno → CHLA)
- Jennifer Bracamontes, MD (Seattle Children's Hospital)
- Kelsey Eitel, MD (Seattle Children's Hospital)

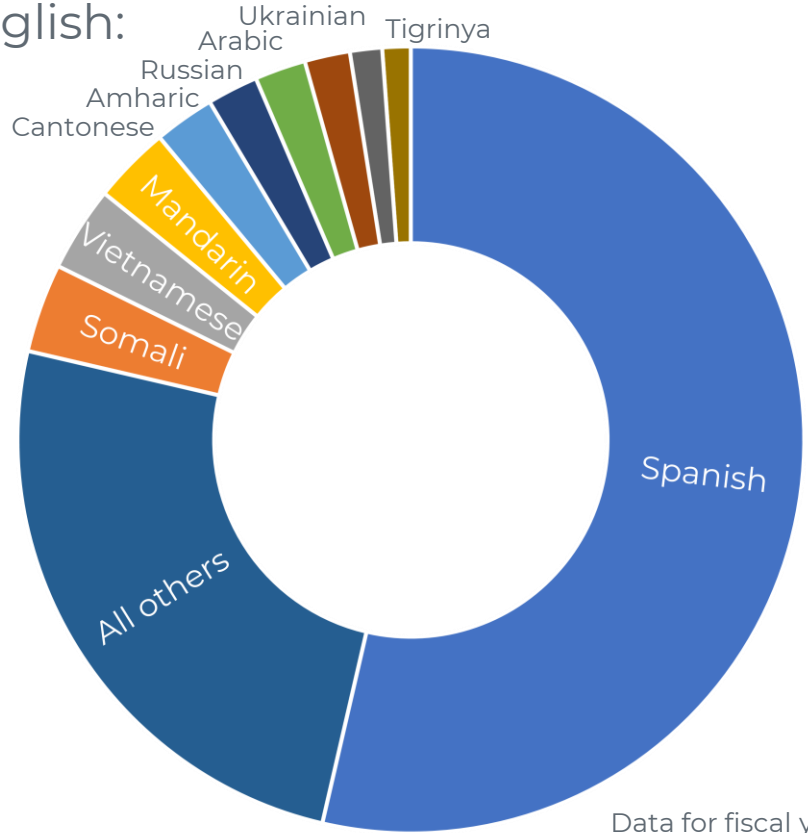




Commitment to Diversity

Languages at Seattle Children's

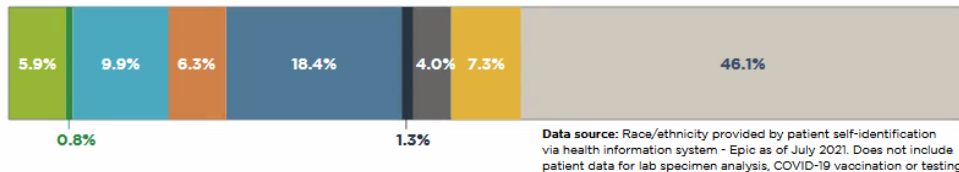
Among the 12.9% of patients who speak a language other than English:



Data for fiscal year 2022



Patients Racial/Ethnic Diversity



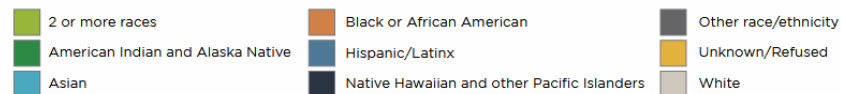
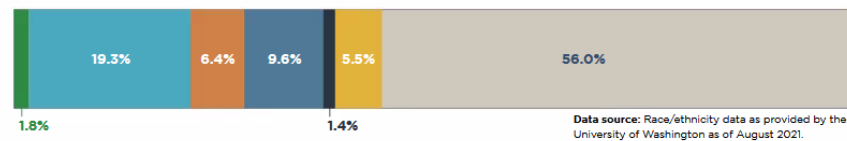
Employee Racial/Ethnic Diversity



University of Washington School of Medicine Faculty at Seattle Children's Racial/Ethnic Diversity



University of Washington Residents and Fellows Racial/Ethnic Diversity



Questions?

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