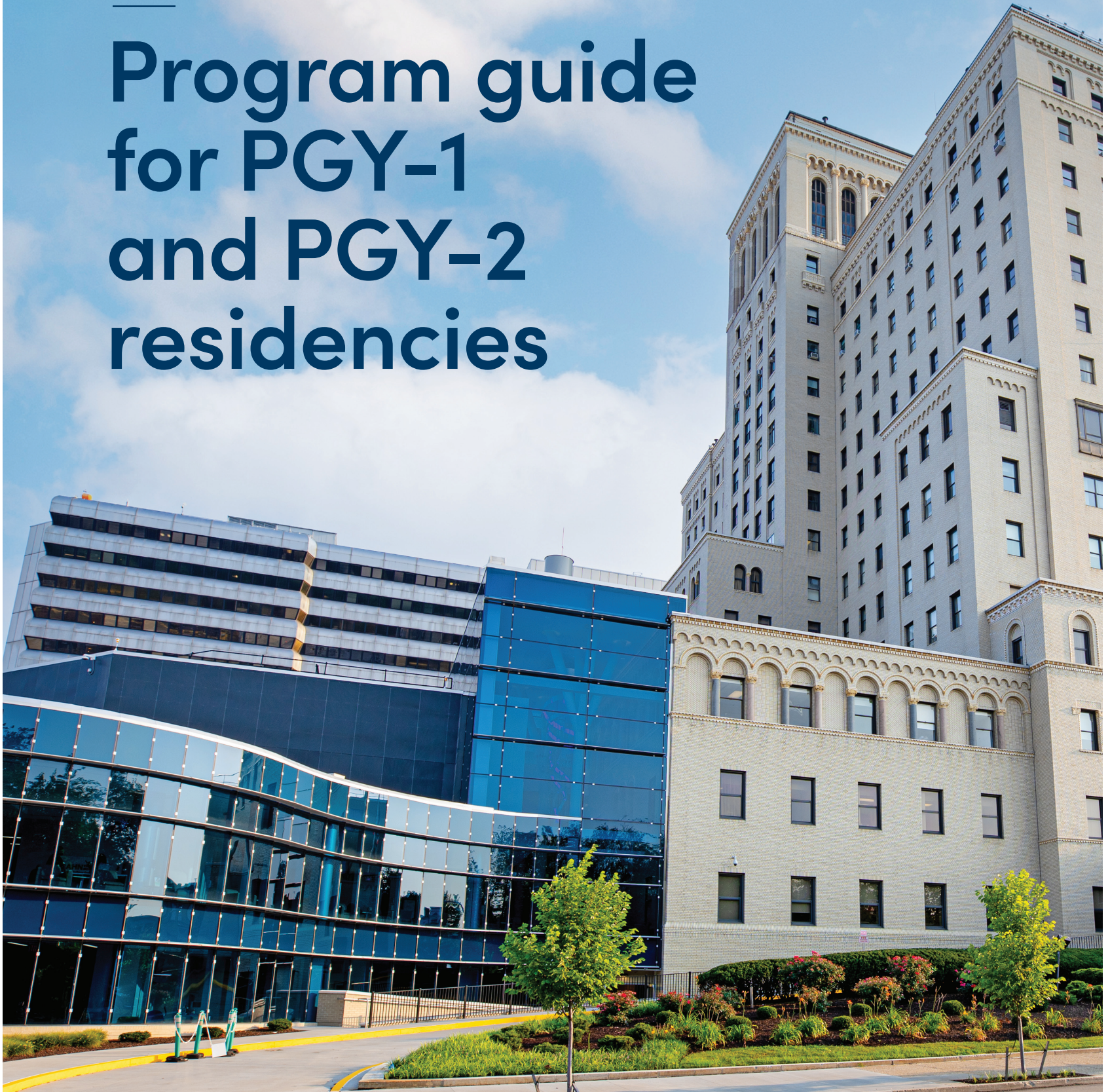


AGH Pharmacy Residency Programs

Program guide for PGY-1 and PGY-2 residencies



AHN ALLEGHENY GENERAL

General program information

Allegheny General Hospital (AGH) is the flagship tertiary-care academic medical center of the 10-hospital Allegheny Health Network, located in Pittsburgh, Pennsylvania. As a physician-led organization within Highmark Health, AGH is a national leader in cardiovascular, cancer, neuroscience, orthopaedic, and rehabilitation care, offering a wide array of medical and surgical specialties.

AGH's Department of Pharmacy provides 24-hour comprehensive pharmacy services, utilizing a decentralized, computerized unit-dose drug distribution system and intravenous admixture programs. Technologic processes include robotic sterile compounding, bar-code medication administration (BCMA), radio-frequency pharmaceutical identification (RFID), IV workflow technology, and computerized inventory control. On-site retail pharmacy services including bedside discharge medication delivery (Meds-to-Beds) are also provided.

Pharmacists have direct patient-care responsibilities to ensure the safe and effective use of medications, in addition to supervising supportive pharmacy personnel. Pharmacists with specialized training provide expertise in pharmacokinetics and antimicrobial stewardship, critical care, infectious diseases, cardiology, internal medicine, hematology/oncology, ambulatory care, drug information, transplantation, emergency medicine, and addiction medicine.

Common residency experiences

The following aspects are shared across multiple programs:

Experiences

- Orientation
- Staffing
- Clinical or administrative on-call
- PGY-1 core curriculum
- Clinical precepting
- Pharmacy management and leadership series
- Professional development series

Presentations

- PGY-2 clinical resident forums
- PGY-2 pharmacy grand rounds
- PGY-1 pharmacist CE program
- Resident-student teaching conference (PGY-1s)
- Resident-resident teaching conference (Clinical PGY-2s)
- Journal clubs

Projects

- Formulary review or policy/guideline update
- Medication-use evaluation
- Research project

Research series

- Project development sessions
- Project proposal presentation
- Research day presentation
- Manuscript development

Teaching Certificate Program

Through a partnership with an affiliated University's School of Pharmacy, residents may elect to complete the requirements of a teaching and learning certificate program. Aspects of this include:

- On-demand recorded lectures
- Large-group teaching
- Small-group teaching
- Clinical precepting
- Teaching philosophy statement (elective course)
- Teaching portfolio (elective course)

Staffing obligations

- PGY-1 and PGY-2 clinical: 24-hours every three-week period
- PGY-1 HSPAL: 16-hours every other weekend

Residency benefits

- Competitive salary
- Insurance benefits (health/life)
- 13 paid days off (PTO)
- Free parking (on-site for PGY-2s)
- Free on-site gym membership
- Cafeteria meal vouchers
- Conference travel stipend
- Lab coat and scrub set stipend
- BLS/ACLS training



Scan the QR code to view the residency website.

Follow Us on Twitter: [@AHNRxResidency](https://twitter.com/AHNRxResidency)

Application information

PhORCAS applications are accepted through January 2.

Application materials should include:

- A letter of interest.
- A curriculum vitae (CV).
- Academic transcripts.
- Three professional letters of recommendation (PhORCAS Form) with detailed comments in sections:
 - Organize and manage time
 - Dependability
 - Independence and resourcefulness

Applicants must have graduated from an ACPE-accredited school of pharmacy, have a PharmD or equivalent experience, and be eligible for licensure in the state of Pennsylvania.

Licensure information can be found at:

dos.pa.gov/ProfessionalLicensing/BoardsCommissions/Pharmacy



PGY-1 programs begin before the end of June.

PGY-2 program start date is variable on or around July 1.

Programs conclude on or around June 30.

Because of timelines and competition within the applicant pool, we do not sponsor visas.

PGY-1 Pharmacy Residency Program 23550

Program director:

Gretchen Krajcovic (Kipp), PharmD
gretchen.krajcovic@ahn.org

Positions per year: Six

Program duration: At least 52 weeks

This program occurs in the ACUTE CARE setting, while providing opportunities to explore other areas of health-system pharmacy practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (six weeks)
- Cardiac service line: Cardiac Care Unit (CCU) or Cardiothoracic ICU (CTICU)
- Surgical service line: Trauma ICU (TICU), Neuro-ICU (NICU), or CTICU
- Intensive care service line: Medical ICU (MICU), CTICU, or TICU
- Transition of care (TOC) service line: Internal medicine TOC, Heart failure TOC, Abdominal transplant TOC
- Infectious disease
- Internal medicine
- Administration – clinical or practice management
- Clinical precepting (concentrated)
- Pharmacokinetics and on-call (longitudinal)
- Inpatient pharmacy staffing (longitudinal)
- Pharmacy management
- Electives (three months)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or the resident may select from:

- Anticoagulation clinic
- Emergency medicine
- Heart failure inpatient
- Heart failure clinic
- Internal medicine clinic
- Oncology inpatient
- Oncology clinic
- Transplant inpatient
- Transplant clinic

PGY-1 Pharmacy Residency Program 23064

Program director:

Paula Horn, PharmD, BCACP

paula.horn@ahn.org

Positions per year: Two

Program duration: At least 52 weeks

This program occurs in the AMBULATORY setting, while providing opportunities to explore other areas of health-system pharmacy practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (six weeks)
- Heart failure transitions of care
- Advanced heart failure clinic
- Ambulatory oncology clinic
- Emergency medicine-urgent care
- Internal medicine clinic
- Pharmaceutical care services and administration
- Clinical precepting (concentrated)
- Anticoagulation clinic and on-call (longitudinal)
- Outpatient pharmacy staffing (longitudinal)
- Pharmacy management/leadership and professional development (longitudinal)
- Electives (three months)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or the resident may select from:

- Chronic care specialty team (CCST)
- HIV clinic
- MTM/340B care partner clinic
- Outpatient pharmacy practice management
- Pain management/addiction medicine service
- Solid organ transplant clinic (heart or abdominal)

PGY-2 Ambulatory Care Pharmacy Residency Program 23039

Program director:

Sarah Winter, PharmD, BCACP
sarah.winter@ahn.org

Positions per year: Two

Program duration: At least 52 weeks

The PGY-2 pharmacy residency program builds upon PGY-1 pharmacy residency training to contribute to the development of clinical pharmacists in ambulatory care pharmacy areas of specialized practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (five weeks)
- Internal medicine clinic (three months)
- Heart failure transitions of care
- Private practice internal medicine clinic
- General cardiology clinic
- Practice management outpatient pharmacy services
- Clinical precepting (concentrated)
- Anticoagulation clinic and on-call (longitudinal)
- Adult internal medicine (longitudinal)
- Outpatient pharmacy staffing (longitudinal)
- Pharmacy management/leadership and professional development (longitudinal)
- Electives (three to four months)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or they may select from:

- Ambulatory oncology clinic
- Anticoagulation clinic
- Autoimmunity institute
- Emergency medicine
- HIV clinic
- Pain management/addiction medicine clinic
- Population health – managed care
- Transplant clinic

PGY-2 Cardiology Pharmacy Residency Program 23112

Program director:

Nathan Verlinden, PharmD,
BCPS, BCCP
nathan.verlinden@ahn.org

Positions per year: One

Program duration: At least 52 weeks

The PGY-2 pharmacy residency program builds upon PGY-1 pharmacy residency training to contribute to the development of clinical pharmacists in cardiology pharmacy areas of specialized practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (five weeks)
- Cardiac ICU (two months)
- Cardiothoracic surgical ICU
- Emergency medicine
- Inpatient general cardiology consults
- Inpatient advanced heart failure
- Advanced heart failure clinic
- Cardiology transitions of care
- Clinical precepting (concentrated)
- Pharmacokinetics/on-call (longitudinal)
- Code response (longitudinal)
- Inpatient pharmacy/emergency department staffing (longitudinal)
- Practice management and practice leadership (longitudinal)
- Electives (2–3 months)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or the resident may select from:

- Anticoagulation clinic
- Cardiac ICU
- Cardiothoracic surgical ICU
- Electrophysiology
- Heart transplantation
- Inpatient advanced heart failure
- Inpatient general cardiology consults
- Medical ICU
- Longitudinal clinics
 - Guideline-directed medical therapy
 - General cardiology

PGY-2 Critical Care Pharmacy Residency Program 23706

Program director:

Chelsea Barry, PharmD, BCCCP
chelsea.barry@ahn.org

Positions per year: One

Program duration: At least 52 weeks

The PGY-2 pharmacy residency program builds upon PGY-1 pharmacy residency training to contribute to the development of clinical pharmacists in critical care pharmacy areas of specialized practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (five weeks)
- Medical ICU (two months)
- Trauma ICU
- Cardiac ICU
- Cardiothoracic surgical ICU
- Neurosurgery/neurology ICU
- Emergency medicine
- Evening critical care
- Clinical precepting (concentrated)
- Pharmacokinetics and on-call (longitudinal)
- Code response (longitudinal)
- Inpatient pharmacy/emergency department staffing (longitudinal)
- Practice management and practice leadership (longitudinal)
- Electives (2–3 months)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or they may select from:

- Infectious disease
- Nutrition support
- Pulmonary consult
- Special populations
- Toxicology

PGY-2 Emergency Medicine Pharmacy Residency Program 23890

Program director:

Alison Merkel, PharmD, BCEMP
alison.merkel@ahn.org

Positions per year: One

Program duration: At least 52 weeks

The PGY-2 pharmacy residency program builds upon PGY-1 pharmacy residency training to contribute to the development of clinical pharmacists in emergency medicine pharmacy areas of specialized practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (five weeks)
- Emergency medicine I
- Emergency medicine II
- Emergency medicine III – special populations
- Emergency medicine IV – clinical precepting
- Trauma ICU
- Medical ICU
- Toxicology (2–4 weeks)
- Research and MUE (longitudinal)
- Pharmacokinetics and on-call service (longitudinal)
- Inpatient pharmacy/emergency department staffing (longitudinal)
- Code response (longitudinal)
- Practice management and practice leadership (longitudinal)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or they may select from:

- Emergency medicine – Jefferson Hospital
- Addiction medicine (two weeks)
- Pre-hospital response (two weeks)
- Neurosurgery/neurology ICU
- Cardiothoracic surgical ICU
- Neonatal ICU (2–4 weeks)
- Infectious disease (two weeks)

PGY-2 Infectious Diseases Residency Program 23061

Program director:

Derek Bremmer, PharmD, BCIDP
derek.bremmer@ahn.org

Positions per year: One

Program duration: At least 52 weeks

The PGY-2 pharmacy residency program builds upon PGY-1 pharmacy residency training to contribute to the development of clinical pharmacists in infectious diseases pharmacy areas of specialized practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (five weeks)
- Infectious diseases consults (three months)
- HIV Clinic (two months)
- Antimicrobial stewardship (two months)
- Microbiology (½ month)
- Research and MUE (Longitudinal)
- Practice management and practice leadership (longitudinal)
- Presentations and basic teaching (longitudinal)
- Electives (two ½ months)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or they may select from:

- Antimicrobial stewardship – community hospital (2 weeks)
- Clinical precepting (2–4 weeks)
- Hematology and bone marrow transplant (2–4 weeks)
- Solid organ transplant (2–4 weeks)
- Surgical critical care (2–4 weeks)

PGY-2 Oncology Pharmacy Residency Program 23017

Program director:

Danielle Roman, PharmD, BCOP
danielle.roman@ahn.org

Positions per year: Two

Program duration: At least 52 weeks

The PGY-2 pharmacy residency program builds upon PGY-1 pharmacy residency training to contribute to the development of clinical pharmacists in oncology pharmacy areas of specialized practice.

Required rotation experiences

(One month in duration, unless otherwise indicated)

- Orientation (five weeks)
- Inpatient medical oncology
- Ambulatory medical oncology (three months)
- Inpatient malignant hematology/bone marrow transplant (BMT)
- Ambulatory malignant hematology
- Palliative care/pain management (two weeks)
- Research and MUE (longitudinal)
- Oncology investigational drug services (two weeks)
- Clinical precepting (concentrated)
- Inpatient pharmacy/outpatient oncology pharmacy staffing (longitudinal)
- Oncology practice management (longitudinal)
- Electives (2–3 months)

The specific program for each resident varies based upon the resident's goals, interests, and previous experience. However, all residents are required to complete the above core rotations. These rotations can be repeated and tailored to resident interests as an elective, or they may select from:

- Ambulatory BMT clinic
- Ambulatory oncology clinics
- Infectious diseases consults
- Inpatient malignant hematology
- Inpatient medical oncology

PGY-1/PGY-2 Health-System Pharmacy Administration and Leadership/MPH Program 23066

Program director:

Laura K. Mark, PharmD, MS, FASHP
laura.mark@ahn.org

Program coordinator:

Arpit Mehta, PharmD, MPH, MHA
arpit.mehta@ahn.org

Positions per year: Two

Program duration: Two years
(at least 52 weeks for each year)

The PGY-2 pharmacy residency program builds upon PGY-1 pharmacy residency training to contribute to the development of clinical pharmacists in administration and leadership areas of pharmacy practice.

PGY-1s are enrolled in program 23550 acute care administrative track. Master's of Public Health is obtained through the University of Pittsburgh Graduate School of Public Health over 18 months.

Required rotation experiences

(One month in duration, unless otherwise indicated)

PGY-1 23550 administrative track

- Selective required practice management
- Pharmacy operations elective
- Assign to administrative on-call
- Elective (two months)

PGY-2 operations management (six months)

- Hospital pharmacy leadership
- Network pharmacy leadership
- Hospital pharmacy finance
- Advanced pharmacy operations
- Automation/informatics
- Oncology pharmacy operations (½ month)
- Retail pharmacy operations (½ month)

PGY-2 clinical management (three months)

- Network clinical and formulary
- Hospital medication-use project

PGY-2 electives: two months

- Community hospital
- Oncology
- Retail/specialty
- Ambulatory clinical
- ASHP or other organization

PGY-2 concentrated (one week each)

- Human resources
- Hospital regulatory
- Group purchasing (GPO)
- Executive hospital operations

PGY-2 longitudinal (six to 12 months)

- Inpatient pharmacy staffing
- Pharmacy area co-supervisor
- Administrative on-call
- Pharmacy policy management
- Regulatory and medication safety

Allegheny Health Network (AHN) complies with applicable federal civil rights laws and does not discriminate on the basis of race, color, national origin, age, disability, or sex in its health programs and services. In order to treat individuals in a nondiscriminatory manner, AHN provides free communication aids and language assistance services.

ATENCIÓN: si habla español, tiene a su disposición servicios gratuitos de asistencia lingüística. Llame al 412-359-3131

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