



PHARMACOGENOMICS **ACCELERATOR**™

Program Description

A national pharmacogenomics program implementation collaborative through which pharmacy leads adoption and implementation of pharmacogenomics services in health systems across the U.S.

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For more information contact the ASHP Innovation Center at ashpinnovationcenter@ashp.org.

PGx Accelerator: *In Brief*

What is the Pharmacogenomics (PGx) Accelerator?

A national learning experience designed to catalyze the implementation of clinical PGx in health systems through an implementation science framework offered by ASHP and the UMN College of Pharmacy.

Goals of the PGx Accelerator

1. Accelerate the design and implementation of comprehensive pharmacogenomics services that demonstrate value to stakeholders
2. Catalyze pharmacy leadership in pharmacogenomics service development
3. Create an environment that supports shared learning and celebrates successes of leading-edge organizations investing in pharmacogenomics services

PGx Accelerator Offerings

The PGx Accelerator will support health system implementation of PGx through three specific activity streams supported by PGx and implementation science experts.

1. Didactic materials including business and implementation plan development
2. Collaborative experience with an all-teach, all-learn atmosphere
3. PGx ECHO and PGx certificate program to learn and improve clinical PGx skills

What will your health system get out of the PGx Accelerator?

Your health system will have increased implementation efficiency with an organized, targeted implementation. The all-teach-all learn environment will provide collaboration with peers working through the same process with access to the PGx community

Who should participate in the PGx Accelerator?

Health systems seeking to implement or grow pharmacogenomics services. Pathways within the program will support two groups of participants:

1. Program leaders or clinical practitioners assuming responsibility for pharmacogenomic program implementation.
2. Clinical practitioners seeking to enhance baseline clinical skills.

Participation Fees

The all-inclusive fee includes the cost of individualized coaching, cohort learning sessions with field experts, and the ASHP Pharmacogenomics Certificates. To receive a quote for your institution please contact ashpinnovationcenter@ashp.org.

Enrollment Process

The enrollment process for the PGx Accelerator starts by signing a Letter of Agreement (LOA) with ASHP. To initiate the process, please contact ashpinnovationcenter@ashp.org.

PGx Accelerator: *In Depth*

Vision

Improve the health of millions across the U.S. by personalizing medication therapies based on each individual's pharmacogenomic profile.

PGx Accelerator Details

The PGx Accelerator is a 12 month experience that relies on an all-teach all-learn approach for the multiple activity streams. The PGx Accelerator will offer the following support to participants:

- All-teach and all-learn learning collaborative:
 - Monthly pacing events webinars and individual coaching with PGx and implementation experts
 - Access to resources and guides to aide in implementation
 - Virtual (or in-person) learning events
 - Peer connection with other implementing health systems
- Leadership support
- Organizational [ASHP PGx certificate program](#) access
- Invitation to participate in an ongoing [PGx ECHO](#)

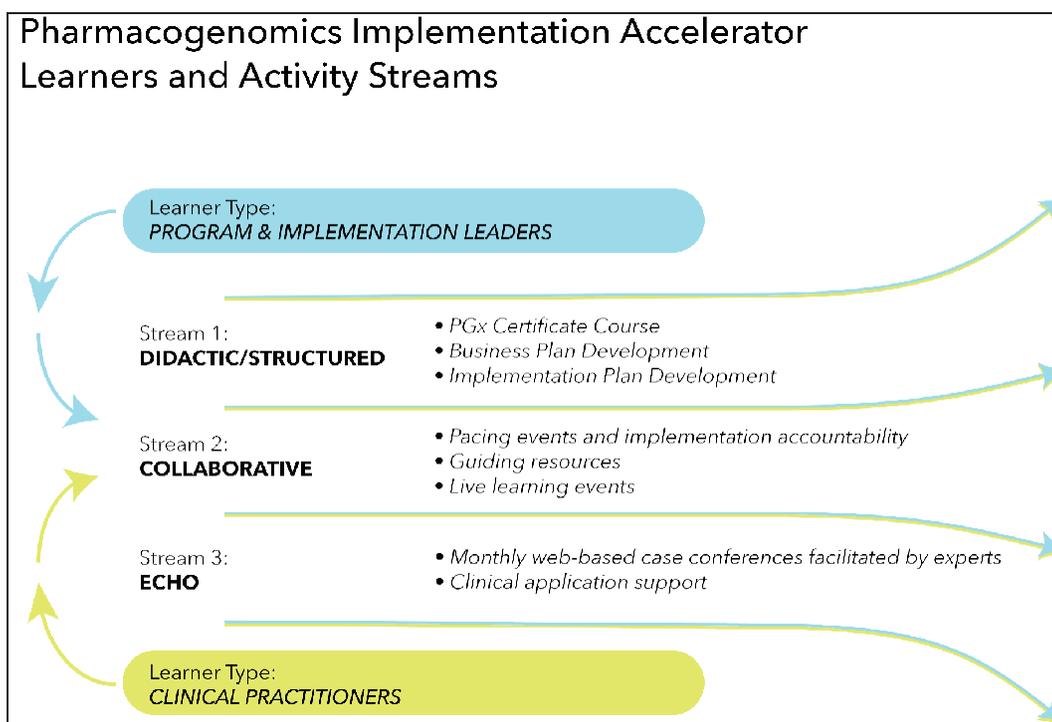


Figure 1. The three activity streams offered by the PGx Accelerator and how the participants of the health systems can participate in the activity streams for catalyzed PGx implementation.

Activity Streams of the PGx Accelerator

Stream 1 – Structured, didactic learning

Via a web-based platform, participants will access online recordings, tools, templates and examples to assist implementation leads and their implementation teams with creating comprehensive planning documents. Specifically, participants will develop 1) a draft business plan for PGx services intended to secure organizational prioritization and investment, and 2) a comprehensive implementation plan to guide team action. Development of these documents will occur in parallel with work in the other three activity streams.

Stream 2 - Implementation Learning and Action Community

A structured, paced experience rooted in an “all teach, all learn” philosophy and based on the Institute for Healthcare Improvement’s Breakthrough Collaborative Model. The community of participants will be paced through a series of web-based learning sessions each leading to an action period during which participants engage in implementing elements of PGx service delivery.

- This work will be guided by aim statements established by each participating entity and supported by individualized coaching focused on development and implementation of strategies aligned with an individual organization’s needs, readiness and priorities.
- Participants will support each other, share lessons learned and recognize successes through a facilitated community of learning. ASHP Connect will serve as a key communications strategy for the community.
- A complement of national PGx experts (clinical and program implementation expertise) will serve as faculty instructors and advisors for the community.
- Presence of implementation coaches with whom participants will have regular contact for pacing, advising and accountability.

Participants will have the opportunity to participate in two in-person workshops within a 12 month cycle. These events will be designed with the following goals:

- Bring to participants an impactful learning experience that cannot be delivered through distance technology.
- Create a space for participants to connect with PGx Accelerator faculty and coaches.
- Enhance the sense of community and collaboration among participants.

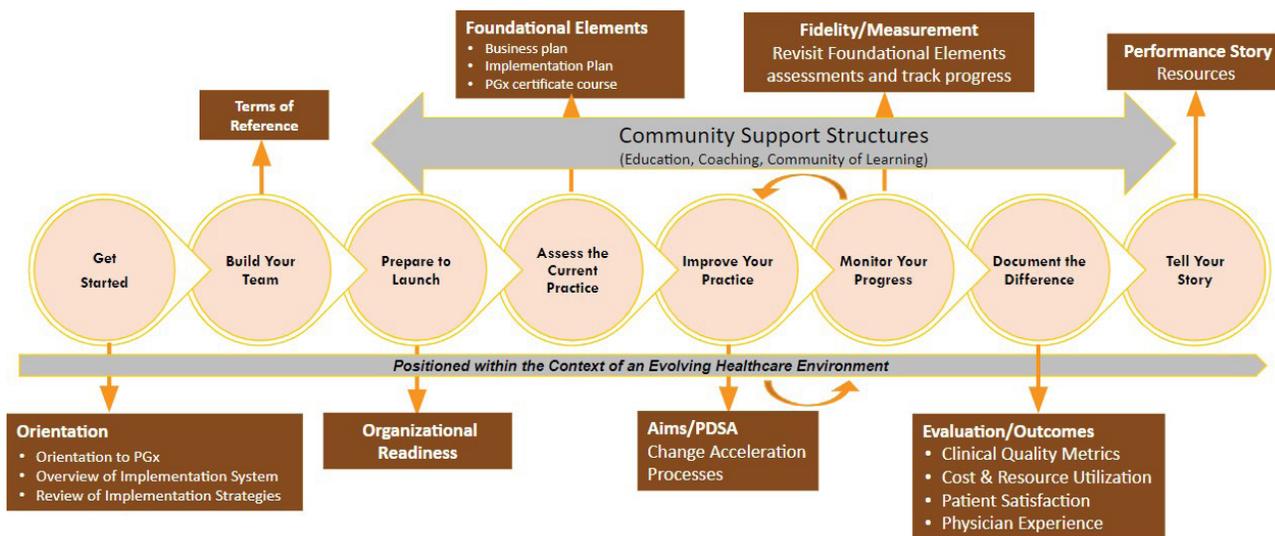


Figure 2. Implementation framework used by the PGx Accelerator to catalyze health system implementation.

Stream 3 – PGx ECHO Clinical application support community

A monthly webinar-based learning experience designed based on Project ECHO will support clinical practitioners in the application of PGx information in daily practice. The general design of each session will include a brief presentation from a PGx expert on a relevant clinical topic, followed by discussions of challenging clinical cases presented by members of the community. As with other streams that follow the “all teach, all learn” strategy, faculty and participants alike will contribute to the discussions to identify relevant issues and establish a clinical strategy for the case. For more information visit the University of Minnesota, College of Pharmacy, [PGx ECHO](#) homepage:

Health System Personnel, Effort and Time Commitments to the PGx Accelerator

Personnel

Participating organizations will establish their PGx Implementation Team and a Team Lead, which will work with internal stakeholders, national colleagues and PGx Accelerator staff. Team members will include an interprofessional group of clinicians and administrators. This may include pharmacists, physicians, laboratory medicine personnel, genetic counselors and/or quality improvement specialists. Executive leadership will demonstrate support for participation in the PGx Accelerator with a signed commitment confirming leadership’s support to its organization’s PGx Implementation Team. A senior leader agrees to the team’s participation, to the extent possible, in all PGx Accelerator activities and to the participation fee for the Accelerator cycle.

Time and Effort

PGx Accelerator activities include monthly webinars (~60 minutes). Accelerator participants will attend and collaborate with peers in an all teach, all learn experience. Participants will also meet regularly with their PGx Accelerator Implementation coach to share progress on their initiative and milestones achieved. Participants will develop and regularly update a PGx Accelerator report, describing progress toward the team’s aim and goals, and share it with executive leaders. An in-person event may be offered during the annual Accelerator cycle and participating organizations are encouraged to support attendance of at least one team member to such an event. There is no additional registration fee to attend an in-person event. Participating organizations are responsible for travel and overnight accommodation expenses.

About the PGx Accelerator Partners

ASHP is the largest association of pharmacy professionals in the United States, representing 60,000 pharmacists, student pharmacists, and pharmacy technicians in all patient care settings, including hospitals, ambulatory clinics, and health-system community pharmacies. For over 80 years, ASHP has championed innovation in pharmacy practice, advanced education and professional development, and served as a steadfast advocate for members and patients. In addition, ASHP is the accrediting body for pharmacy residency and technician training programs, and provides comprehensive resources to support pharmacy professionals through every stage of their careers. For more information, visit [ashp.org](https://www.ashp.org) and ASHP's consumer website, [SafeMedication.com](https://www.SafeMedication.com).

University of Minnesota-College of Pharmacy represents faculty with clinical and research expertise in PGx in the areas of psychology, pediatrics, cardiology, oncology, and transplant. They are renowned for their leadership in implementation science, bringing their depth of experience from spearheading implementation efforts in comprehensive medication management services. They recently established a PGx focused ECHO, a nationally offered experience to strengthen clinical PGx skills for novices and experts alike and deliver the biennial PGx Conference. The University of Minnesota College of Pharmacy has integrated PGx into its PharmD curriculum and additionally offers a Masters Degree with PGx emphasis and fellowship opportunities in PGx research and implementation science.

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