

Anticoagulation Forum TRAIN Pharmacist Grant

Thrombosis/Hemostasis Residency Award and Innovation Network

Curricular Considerations

While the novel PGY2 in Thrombosis and Hemostasis Management has been approved as a specialty by the American Society of Health System Pharmacists (i.e., the accreditation organization), the final Competency Areas, Goals and Objectives (CAGOs) for the program will not obtain full approval by their Board of Directors until their meeting September 12-14, 2022.

The information below has been prepared to assist prospective residency sites as they prepare applications for the TRAIN Pharmacist Grant and documents for ASHP accreditation candidacy. It is understood that THM residencies will ultimately need to align with the final ASHP requirements, when available.

Proposed Competency Areas:

This table reflects the most current **draft** of Competency Areas submitted for review and approval by ASHP's Commission on Credentialing and Board of Directors. They will be reviewed and finalized along with a comprehensive set of Goals, Objectives and related Activities by September 14, 2022.

| Competency Area | Format |
|---|----------|
| Patient Care | Required |
| Advancing Practice and Improving Systems of Care | Required |
| Leadership and Management | Required |
| Teaching, Education and the Dissemination of Knowledge | Required |
| Management of Bleeding and Thrombotic Emergencies | Required |
| Assessing Systems and Policies for the Safe and Effective Use of Antithrombotic and Hemostatic Agents | Required |
| Academia | Elective |
| Publishing | Elective |
| Initiating and Advanced Practice Area-Related Service | Elective |
| Professional Service | Elective |
| Continuity of Care | Elective |

It is recommended that sites applying for a TRAIN Pharmacist Grant address the required Competency Areas in their grant applications.

Proposed Clinical Content Areas:

This table includes examples of required Clinical Content Areas included in the most current **draft** CAGOs submitted for review and approval by ASHP’s Commission on Credentialing and Board of Directors. They will be reviewed and finalized by September 14, 2022.

(Some of these content areas may ultimately require direct patient care experiences, while others may be addressed by case discussions with the residents.)

| Practice Area | Content Area |
|---|--|
| Ambulatory Anticoagulation Management | Anticoagulation Management During Care Transitions, Antiphospholipid Syndrome, Arterial Thromboembolism, Atrial Fibrillation, Bleeding, , Heart Valves, Periprocedural Management, Venous Thromboembolism, Warfarin Patient Self-Testing |
| Emergent and Acute Thrombosis and Hemostasis Management | Acquired and Inherited Bleeding and Thrombotic Disorders, Acute Coronary Syndrome, Acute Hypercoagulable States, Advanced Cardiac Life Support; Anticoagulation Management During Care Transitions, Anticoagulant Reversal, Arterial Thromboembolism, Atrial Fibrillation, Coronary Artery Bypass Graft, Drug-Induced Coagulation Disorders, Heparin-Induced Thrombocytopenia, Inferior Vena Cava Filters, Major Bleeding, Mechanical Circulatory Support, Periprocedural Management, Valve Dysfunction, Valve Repair and Replacement, Venous Thromboembolism, Traumatic Bleeding, |
| Clinical Laboratory Science | Assessment of Oral and Parenteral Anticoagulation Therapy, Assessment for Coagulopathy or Thrombophilia, Key Laboratory Process Considerations, Interpretation of Laboratory results, Combining Probability Scores or other diagnostic procedures with Laboratory testing |

It is recommended that sites applying for a TRAIN Pharmacist Grant consider these Clinical Content Areas in their grant applications.

Proposed Residency Rotations, Formats and Settings at Brigham and Women’s Hospital:
This table describes the initial draft curriculum proposed for THM residents at Brigham and Women’s Hospital. It is provided as an example only.

| Rotations | Format and Duration | Setting |
|--|----------------------------|----------------|
| Anticoagulation Management Service (AMS) ^a | Block (4 weeks) | Outpatient |
| Benign Hematology ^a | Block (4 weeks) | Inpatient |
| Cardiac Care Unit (CCU) ^a | Block (4 weeks) | Inpatient |
| Cardiac Surgery Service (CSS) ^a | Block (4 weeks) | Inpatient |
| Emergency Department ^a | Block (4 weeks) | Inpatient |
| Hemostatic & Antithrombotic Stewardship Service (HAT) ^a | Block (4 weeks) | Inpatient |
| Medication Safety/ Stewardship Program Leadership ^a | Block (4 weeks) | Inpatient |
| Neurology/Neurosurgery ^a | Block (4 weeks) | Inpatient |
| Research ^a | Longitudinal | N/A |
| Pediatrics ^b | Block (4 weeks) | Inpatient |
| Solid Organ Transplant ^b | Block (4 weeks) | Inpatient |
| Special Coagulation Laboratory ^b | Longitudinal | Inpatient |
| Vascular and Hematology Clinics ^b | Block (4 weeks combined) | Outpatient |

a Denotes required rotation

b Denotes elective rotation

Each site applying for a TRAIN Pharmacy Grant and ASHP candidate status may create their own curriculum, optimizing resident training experiences in the context of available subject matter expert preceptors and clinical services.