Function	Responsibilities	Recommended Qualifications	Interaction Points	Duration of Role
Site Lead	Overall responsibility for site's activities in the ACT network.	Institutional approval to be PI of subcontract.	ACT Leadership. Oversees other roles.	Throughout project.
System Administrator (application and infrastructure)	Application -Installation, implementation, maintenance of SHRINE and i2b2 systems -Ability to provide deep level troubleshooting when needed -Communicate with project sponsors, leadership, other local technical resources, end users on an as needed basis Infrastructure -Well rounded knowledge of servers, operating systems -Familiarity with local (institutional) network operations, local IT policy, and experience with top-tier infrastructure and front-line service support	Basic Qualifications -BA / BS in Computer Science / Engineering or related field -Have at least 3+ years of system / network administration Additional Qualifications -Knowledge of Linux / Unix systems -Scripting (bash, python, etc.) -Database Administration (SQL, Postgres, Oracle, etc.) -Networking skills (firewalls, proxies, certificate / encryption methods, port configuration) -Web services (Apache Tomcat, Axis, WildFly, JDK)	-Works closely with SOC, other local technology contacts	-Focused effort in the early stages of joining the ACT Network to implement i2b2, SHRINE -Continued role in regular health and maintenance once on ACT production network
Site Operations Coordinator (SOC)	-Institution's main, day-to-day, point of contact for network operations, administration -Report status of routine network activities (software upgrades, data refresh activities) -Assist in compiling audit information for Data Steward -Assist in creating and deactivating users in accordance with local and network policy -Serve as point of contact for local end users	-Familiarity with project management concepts -Experience with Atlassian JIRA -Attention to detail -Good communication skills	-Works closely with System Administrator, Data Steward, Research Data Curator	-Necessary for duration of ACT network participation
Research Data Curator	-Ensuring accuracy and compliance of research data available to the ACT network -Perform data mappings as needed -Provide feedback on local data availability to assist in development of ACT ontology -Respond / troubleshoot data	-Prior experience with i2b2, SHRINE, ontologies, ETL and data mapping -Have at least 2+ years of database administration -Knowledge of scripting methods (SQL, Python, etc.) -Familiarity with local EHR and research data handling processes	-Works closely with SOC	-Necessary for duration of ACT network participation

	anomalies discovered on the network	-Familiarity with scientific research topics highly valuable		
Data Steward (User Liaison)	-Serve as contact for users (researchers) with questions or problems using the network -Monitors research network behavior per the Terms of Query Access -Ensures appropriate use of the network -Serves as point of contact for other institution Data Stewards, as necessary	-Experience with biomedical research topics -Bachelor's or Master's degree in a related field is desired -Good communication skills -Attention to detail	-Works closely with the System Administrator and/or Site Operations Coordinator	-Onboarded prior to local dissemination of ACT to end users -Regular role throughout participation in ACT network
Dissemination Lead	-Conducts ACT related communication and outreach activities to local CTSA investigators	-Good communication skills -Ability to facilitate rollout of ACT to local end users	-ACT Dissemination & Evaluation Work Group	-Immediately following the technical implementation of ACT, if not before, and continue through participation in the network
Ontologist (if available)	-Mapping local terminologies to standards -Collaboration on ACT ontology development and participation in the ACT Data Harmonization Work Group	-Understanding of ontology principles -Patient care and/or health systems domain knowledge	-Research Data Coordinator -ACT Data Harmonization Workgroup	-Immediate and for duration of project -This is an optional role; mapping tasks could be carried initially as a team effort (with extra resources) and then handled by research data curator in maintenance mode