Supplementary Online Material: Nonauthor Collaborators

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Location (city, state/province, country)	Role or Contribution, eg, chair, principal investigator	Group (if more than 1 Group listed in the byline) and/or Subgroup (eg, Steering Committee)
Ann Arbor, MI, USA	clinical subject matter expertise, manuscript drafting	
Ann Arbor, MI, USA	clinical data model expertise, data analysis, data curation, data integration, data quality assurance, database / information systems admin	
Ann Arbor, MI, USA	project management	
Ann Arbor, MI, USA	data analysis, data curation, data integration, data quality assurance, data security, database / information systems admin, project management, regulatory oversight / admin	
Ann Arbor, MI, USA	data curation, data integration, manuscript review and editing	
Ann Arbor, MI, USA	funding acquisition, governance, project evaluation, regulatory oversight / admin	
Atlanta, GA, USA	manuscript review and editing	
Atlanta, GA, USA	data analysis, data integration, data quality assurance	
Atlanta, GA, USA	clinical subject matter expertise, manuscript review and editing	
Auburn, AL	clinical subject matter expertise, clinical data model expertise	
Baltimore, MD USA	clinical subject matter expertise, project management	
Baltimore, MD, USA	project management	
Baltimore, MD, USA	data curation, data quality assurance	

Baltimore, MD, USA	clinical subject matter expertise, data analysis, manuscript review and editing, N3C Phenotype definition
Berkeley, CA, USA	biological subject matter expertise, data analysis, statistical analysis
Bethesda, MD, USA	software engineering (of enclave platform)
Bethesda, MD, USA	data analysis, data quality assurance, project management
Birmingham, AL, USA	biological subject matter expertise, data analysis, database / information systems admin, statistical analysis
Birmingham, AL, USA	biological subject matter expertise, clinical subject matter expertise
Birmingham, AL, USA	manuscript drafting, manuscript review and editing, statistical analysis
Birmingham, AL, USA	clinical subject matter expertise, manuscript review and editing
Birmingham, AL, USA	data curation, manuscript review and editing
Bloomington, IN, USA	clinical data model expertise, clinical subject matter expertise, data curation
Boston, MA, USA	clinical subject matter expertise, data curation, data integration
Bronx, NY, USA	data curation, data quality assurance, database / information systems admin, manuscript review and editing, project management

Chapel Hill, NC, USA	clinical subject matter expertise, marketing and communications, regulatory oversight / admin
Chapel Hill, NC, USA	manuscript review and editing, project management
Charleston, SC, USA	clinical subject matter expertise, data curation, manuscript review and editing, marketing and communications, regulatory oversight / admin
Charleston, SC, USA	data integration, funding acquisition, marketing and communications, project management, regulatory oversight / admin
Charlottesville, VA, USA	data integration, database / information systems admin
Charlottesville, VA, USA	data integration, database / information systems admin
Charlottesville, VA, USA	data integration, database / information systems admin
Chicago, IL, USA	data curation, database / information systems admin
Chicago, IL, USA	clinical data model expertise, clinical subject matter expertise, data curation, data quality assurance, database / information systems admin
Chicago, IL, USA	governance
Chicago, IL, USA	database / information systems admin
Galveston, Galveston, TX, USA	project management
Galveston, Galveston, TX, USA	clinical data model expertise, data integration, data quality assurance, database / information systems admin, software engineering (of enclave platform)

Galveston, Galveston, TX, USA	biological subject matter expertise, clinical data model expertise, clinical subject matter expertise, data analysis, data curation, data integration, data quality assurance, data security, data visualization, database / information systems admin, N3C Phenotype definition
Galveston, TX, USA	data curation, data integration, data quality assurance, project management, regulatory oversight / admin
Indianapolis, IN, USA	clinical data model expertise, data analysis, governance, N3C Phenotype definition
Indianapolis, IN, USA	data curation, data quality assurance, funding acquisition, governance, manuscript review and editing
Iowa City, IA, USA	data visualization, database / information systems admin, funding acquisition, project management, software engineering (of enclave platform)
Iowa City, IA, USA	data curation
Jackson, MS, USA	clinical data model expertise, clinical subject matter expertise, data curation
La Jolla, CA, USA	data integration
Lexington, KY, USA	governance, project management
Lexington, KY, USA	data integration, data quality assurance, database / information systems admin, N3C Phenotype definition
Lexington, KY, USA	clinical subject matter expertise

Location	Roles / Expertise
Lexington, KY, USA	data security, governance, regulatory oversight / admin
Lexington, KY, USA	clinical data model expertise, data curation, data integration, data quality assurance, database / information systems admin
Lexington, KY, USA	manuscript review and editing
Los Angeles, CA, USA	clinical data model expertise, data quality assurance, database / information systems admin, N3C Phenotype definition
Los Angeles, Los Angeles, CA, USA	funding acquisition, governance
Madison, WI, USA	data integration
Madison, WI, USA	clinical data model expertise, data curation
Mayo Clinic, Rochester, MN, USA	data integration, N3C Phenotype definition
Mayo Clinic, Rochester, MN, USA	data analysis
Memphis, TN, USA	project management
Miami, FL, USA	governance
Miami, FL, USA	data analysis, data curation, data quality assurance, data security, database / information systems admin
Michigan Medicine	biological subject matter expertise, clinical subject matter expertise, manuscript review and editing
Milwaukee, WI, USA	project management
Milwaukee, WI, USA	data curation

Milwaukee, WI, USA	
Minneapolis, MN, USA	funding acquisition
Minneapolis, MN, USA	data quality assurance, N3C Phenotype definition
Nashville, TN, USA	data integration, project management
Nashville, TN, USA	clinical data model expertise, data curation, data quality assurance, project management, regulatory oversight / admin
Nashville, TN, USA	database / information systems admin, funding acquisition, governance, manuscript review and editing
New York, NY, USA	data curation, data integration, funding acquisition, manuscript review and editing
New York, NY, USA	biological subject matter expertise, clinical data model expertise, clinical subject matter expertise, data curation, data integration, data quality assurance, data security, funding acquisition, project management, regulatory oversight / admin
New York, NY, USA	data integration, project management, regulatory oversight / admin
New York, NY, USA	biological subject matter expertise, clinical subject matter expertise
New York, NY, USA	data curation, data integration, data quality assurance, data security, database / information systems admin
Omaha, NE, USA	N3C Phenotype definition, project evaluation

Omaha, NE, USA	clinical subject matter expertise, funding acquisition, project management
Pittsburgh, PA, USA	clinical data model expertise, N3C Phenotype definition
Portland, OR, USA	project management, regulatory oversight / admin
Portland, OR, USA	project evaluation
Portland, OR, USA	clinical subject matter expertise, funding acquisition, manuscript review and editing
Portland, OR, USA	manuscript review and editing
Portland, OR, USA	project management
Portland, OR, USA	clinical subject matter expertise
Roanoke, VA, USA	database / information systems admin
Roanoke, VA, USA	database / information systems admin
Roanoke, VA, USA	project management
Rochester, NY, USA	data visualization
Rochester, NY, USA	funding acquisition, governance, regulatory oversight / admin
Rochester, NY, USA	database / information systems admin, project management

Salt Lake City, UT, USA	database / information systems admin, manuscript review and editing
Salt Lake City, Utah, USA	data integration, funding acquisition, project management
San Antonio, San Antonio, TX, USA	
San Bernadino, CA, USA	data curation, data integration, data quality assurance, governance
Seattle, WA, USA	clinical data model expertise, manuscript review and editing
Seattle, WA, USA	data integration
Seattle, WA, USA	project management
Seattle, WA, USA	clinical subject matter expertise
Seattle, WA, USA	governance
Seattle, WA, USA	project evaluation, project management, regulatory oversight / admin
St. Louis, MO, USA	manuscript review and editing
St. Louis, Saint Louis, MO, USA	clinical data model expertise, data curation, data integration, funding acquisition, manuscript review and editing, N3C Phenotype definition, project management
Stony Brook Medicine	clinical subject matter expertise, N3C Phenotype definition

Stony Brook, NY, USA	clinical data model expertise, data curation, data integration, governance, N3C Phenotype definition
Stony Brook, NY, USA	manuscript review and editing, N3C Phenotype definition
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Washington, DC, USA	data curation, data integration, database / information systems admin
Washington, DC, USA	biological subject matter expertise, data integration, funding acquisition, manuscript review and editing, regulatory oversight / admin

Washington, DC, USA	biological subject matter expertise, clinical data model expertise, clinical subject matter expertise, data analysis, funding acquisition, manuscript review and editing, statistical analysis
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Winston Salem, NC, USA	data curation, data integration, data quality assurance
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Downers Grove, IL, USA	clinical data model expertise, data integration, project management

Baton Rouge, LA, USA	biological subject matter expertise, clinical subject matter expertise, data quality assurance, regulatory oversight / admin
Brunswick, NJ, USA	data analysis, data integration, data quality assurance, data security, governance
Philadelphia, PA, USA	manuscript review and editing, marketing and communications
Morgantown, WV, USA	clinical subject matter expertise, manuscript review and editing
Bethesda, MD, USA	governance