

Supplementary Appendix A: List and descriptions of all facilities in sample of clinical consent forms

Facility name	City	State	Identification strategy	Form count
Acute care hospitals				
Bon Secours St Mary's Hospital	Richmond	Virginia	RAND	2
Boston Medical Center	Boston	Massachusetts	CTSA	1
Cape Fear Valley Health Hoke Hospital	Raeford	North Carolina	RAND	1
Columbia University Irving Medical Center	New York	New York	CTSA	1
Doctors' Community Hospital	Lanham	Maryland	RAND	1
Emory Healthcare	Atlanta	Georgia	CTSA	1
GHS Laurens County Memorial Hospital	Clinton	South Carolina	RAND	1
Hospital of The University of Pennsylvania	Philadelphia	Pennsylvania	CTSA	1
Indiana University Health	Indianapolis	Indiana	CTSA, RAND	3
Indiana University Health Arnett Hospital	Lafayette	Indiana	RAND	1
Intermountain Medical Center	Murray	Utah	RAND	3
Johns Hopkins Health System	Baltimore	Maryland	CTSA	1
Hospital A	–	Michigan	MHIMA	1
Mayo Clinic Health System Franciscan Med Ctr	La Crosse	Wisconsin	RAND	1
Mayo Clinic Rochester	Rochester	Minnesota	CTSA, RAND	1
Hospital B	–	Michigan	MHIMA	3
Montefiore Medical Center	Bronx	New York	CTSA	1
Mount Carmel New Albany Surgical Hospital	New Albany	Ohio	RAND	1
Mount St Mary's Hospital and Health Center	Lewiston	New York	RAND	1
MUSC Medical Center of Medical University of South Carolina	Charleston	South Carolina	CTSA	1
North Austin Medical Center	Austin	Texas	RAND	2
Northwestern Memorial Hospital	Chicago	Illinois	CTSA	2
OHSU Hospital	Portland	Oregon	CTSA	5
Piedmont Athens Regional Medical Center	Athens	Georgia	RAND	1
Piedmont Rockdale Hospital	Conyers	Georgia	RAND	1
St Bernard's Medical Center	Jonesboro	Arkansas	RAND	2
St Lucie Medical Center	Port Saint Lucie	Florida	RAND	2
St Luke's Des Peres Hospital	Saint Louis	Missouri	RAND	1
Hospital C	–	Michigan	MHIMA	13
Strong Memorial Hospital	Rochester	New York	CTSA, RAND	16
SUNY Downstate Medical Center University Hospital	Brooklyn	New York	CTSA	1
ThedaCare Regional Medical Center - Neenah Inc	Neenah	Wisconsin	RAND	1
UC Health	Cincinnati	Ohio	CTSA	1
UC San Diego Health Hillcrest - Hillcrest Med Ctr	San Diego	California	CTSA	1
UF Health Shands Hospital	Gainesville	Florida	CTSA	1
UNC Health Care System	Chapel Hill	North Carolina	CTSA	3
University of California Davis Medical Center	Sacramento	California	CTSA	2
University of Iowa Hospitals and Clinics	Iowa City	Iowa	CTSA	3

(Continued)

Facility name	City	State	Identification strategy	Form count
University of Kansas Hospital	Kansas City	Kansas	CTSA	1
University of Kentucky Albert B. Chandler Hospital	Lexington	Kentucky	CTSA	1
University of Miami Health System	Miami	Florida	CTSA	1
Hospital D	–	Michigan	MHIMA, RAND	16
University Of New Mexico Hospitals	Albuquerque	New Mexico	CTSA	1
UPMC	Pittsburgh	Pennsylvania	CTSA	1
UT Southwestern University Hospital-Zale Lipshy	Dallas	Texas	CTSA	1
VCU Medical Center	Richmond	Virginia	CTSA	2
Wellstar Cobb Hospital	Austell	Georgia	RAND	3
Yale-New Haven Health System	New Haven	Connecticut	CTSA	1
Children's hospitals				
Children's National Health System	Washington	District of Columbia	CTSA	1
Critical access hospitals				
CHI St Alexius Health Williston	Williston	North Dakota	RAND	2
Christus Mother Frances Hospital- Winnsboro	Winnsboro	Texas	RAND	2
Pinckneyville Community Hospital	Pinckneyville	Illinois	RAND	1
UHHS Memorial Hospital of Geneva	Geneva	Ohio	RAND	1
Psychiatric hospitals				
Pacific Grove Hospital	Riverside	California	RAND	1
Springfield Hospital Center	Sykesville	Maryland	RAND	1
Windhaven Psychiatric Hospital	Prescott Valley	Arizona	RAND	1
Ambulatory surgical centers				
Chambersburg Endoscopy Center LLC	Chambersburg	Pennsylvania	RAND	3
CSA Surgical Center LLC	Columbia	Missouri	RAND	2
Georgia Lithotripsy and Laser Center	Athens	Georgia	RAND	2
Gwinnett Endoscopy Center Pc	Lawrenceville	Georgia	RAND	2
Hamilton Surgical Center Inc.	Hamilton	New Jersey	RAND	1
Spivey Station Surgery Center	Jonesboro	Georgia	RAND	1

Key: MHIMA = Direct Contribution from Michigan Health Information Management Association members; RAND = Randomly Selected and Systematic Web Search; CTSA = 1:1 Match with 2014–2018 Clinical and Translational Science Awards Hubs and Systematic Web Search.

Note: Sites and forms may have been discovered through >1 identification strategy.

Note: Sites and forms may have been discovered through >1 identification strategy. Forms from Hospitals A, B, C, and D were collected via direct contribution from MHIMA members. Facility names and locations are not provided in this table and forms are not published online per agreement with MHIMA sites.

Supplementary Appendix B: Annotation Scheme and Guidelines for Permissions in Clinical Consent Forms

Purpose

The purpose of this document is to describe annotation criteria so that human annotators can identify permissions in the provided texts (i.e., consent forms).

Definition

For purposes of this project, we define a permission as statement(s) that, upon signature of the consent form, authorizes any new action or activity that may, must, or must not be done.

- We are **NOT** interested in permissions for payment or hospital operations. Do not annotate these permissions.

Login and Technical Instructions

1. Navigate to [DataTurks](#) and Login.
2. On the “My Projects” page, click on the project that you intend to work on (see project names under each annotation round below).
3. On the project’s dashboard, click “Start Tagging.”
4. You will be directed to eligible texts for annotation. Follow the corresponding instructions (below) for each annotation round.

Identifying Relevant Permissions (and Confidence)

1. Open your DataTurks Project.
2. Read the entirety of the consent form. Do not mark up any text.
3. Read through the form again. Highlight the sentence(s) which contain permission(s), selecting a label corresponding with your confidence that it is a permission:
 - **Positive: I am certain that this is a permission.**
 - **Indeterminate: This may be a permission.**

Notes

For all annotations, highlight the entire sentence(s) from the first non-whitespace character to the last punctuation character.

- If there is no end punctuation, you may need to assume its presence.
- If statements indicate free text entry, highlight to the end of the text entry space (e.g., line ___) if visible in the .txt file (do not highlight trailing hard returns or white space).

There are various configurations of permissions and sentences:

- If a sentence contains a single permission, highlight that sentence once.
- If a sentence contains multiple permitted actions/activities, highlight the entire sentence once.
- If sequential sentences contain different permissions, highlight them separately.

Do not annotate permissions related to payment or hospital operations (e.g., insurance, contact).

4. Read through the form again. Verify all annotations.
5. Once you have completed all annotations on a text, click “Move to Done” at the bottom of the page (or ctrl + entr). Or, if you want to revisit a text before submitting it as done, click “Skip” at the bottom of the page (or ctrl + q).