Supplementary Table 1: CTSA Lifespan Domain Task Force: Early Life Exposures Asset Survey

Data Dictionary Codebook

#	Variable / Field Name	Field Label *Field Note*	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)
	Instrument: **CTSA Lifespan Domain Task Force: Early Life Exposures Asset Survey** (ctsa_lifespan_domain_task_force_early_life_exposur)		
1	record_id	Record ID	text
2	name	Please enter the name of the respondent (i.e. person completing this survey): *Last, First*	text, Required
3	user_affiliation	Please choose your primary affiliation.	dropdown (autocomplete), Required 134 Academic Center 136 Clinical Research Industry 137 Community Advocacy Organization 138 Community Health Care Provider 123 Government 99 Other
4	ctsa Show the field ONLY if: [user_affiliation] = '134'	Is your Academic Center a CTSA?	dropdown (autocomplete), Required 1 Yes 2 No

5	ctsa_name Show the field ONLY if: [ctsa] = '1'	CTSA Institution:	dropdown, Required	
			62	Albert Einstein College of Medicine (with Montefiore Medical Center)
			63	Boston University
			51	Case Western Reserve University
			94	Children's National Medical Center
			1	Columbia University
			129	Dartmouth College
			2	Duke University
			56	Emory University (with Morehouse School of Med and Georgia Institute of Tech)
			95	Georgetown University with Howard University
			64	Harvard University
			65	Indiana University School of Medicine
			55	Johns Hopkins University
			3	Mayo Clinic
			96	Medical College of Wisconsin
			79	Medical University of South Carolina
			80	Mount Sinai School of Medicine
			81	New York University School of Medicine
			66	Northwestern University
			4	Oregon Health & Science University
			127	Penn State Milton S. Hershey Medical Center
			69	Stanford University
			131	State University of New York at Buffalo
			67	The Ohio State University

5	The Rockefeller University
68	The Scripps Research Institute
71	The University of Alabama at Birmingham
76	The University of North Carolina at Chapel Hill
74	The University of Texas Health Science Center at San Antonio
75	The University of Utah
70	Tufts University
82	University of Arkansas for Medical Sciences
126	University of California Los Angeles
6	University of California, Davis
97	University of California, Irvine
100	University of California, San Diego
7	University of California, San Francisco
54	University of Chicago
77	University of Cincinnati
72	University of Colorado Denver
83	University of Florida
84	University of Illinois at Chicago
48	University of Iowa
119	University of Kansas Medical Center
122	University of Kentucky Research Foundations
101	University of Massachusetts Medical School, Worcester
128	University of Miami

					50	University of Michigan at Ann Arbor
					121	University of Minnesota Twin Cities
					102	University of New Mexico Health Sciences Center
					8	University of Pennsylvania
					9	University of Pittsburgh
					11	University of Rochester School of Medicine and Dentistry
					103	University of Southern California
					12	University of Texas Health Science Center at Houston
					85	University of Texas Medical Branch
					49	University of Texas Southwestern Medical Center at Dallas
					58	University of Washington
					57	University of Wisconsin - Madison
					47	Vanderbilt University (with Meharry Medical College)
					104	Virginia Commonwealth University
					130	Wake Forest University
					52	Washington University
					53	Weill Cornell Medical College (partnering with Hunter College)
					13	Yale University

6	government_agency Show the field ONLY if: [user_affiliation] = '123'	Federal Government Office:	dropdown (autocomplete), Required	
			1	Agency for Healthcare Research and Quality
			2	Center for Disease Control and Prevention
			3	Fogarty International Center
			4	Food and Drug Administration
			5	Health Resources Services Administration
			6	National Cancer Institute
			7	National Center for Advancing Translational Sciences
			8	National Center for Complementary and Alternative Medicine
			9	National Center for Research Resources
			10	National Center on Minority Health and Health Disparities
			11	National Eye Institute
			12	National Heart, Lung, and Blood Institute
			13	National Human Genome Research Institute
			14	National Institute of Allergy and Infectious Diseases
			15	National Institute of Arthritis and Musculoskeletal and Skin Diseases
			16	National Institute of Biomedical Imaging and Bioengineering
			17	National Institute of Child Health and Human Development
			18	National Institute of Dental and Craniofacial Research

					19	National Institute of Diabetes and Digestive and Kidney Diseases
					20	National Institute of Environmental Health Sciences
					21	National Institute of General Medical Sciences
					22	National Institute of Mental Health
					23	National Institute of Neurological Disorders and Stroke
					24	National Institute of Nursing Research
					25	National Institute on Aging
					26	National Institute on Alcohol Abuse and Alcoholism
					27	National Institute on Deafness and Other Communication Disorders
					28	National Institute on Drug Abuse
					29	National Institute on Minority Health and Health Disparities
					30	National Library of Medicine
					31	NIH Clinical Center
					32	Office of Behavioral and Social Sciences Research
					33	Office of Extramural Research
					34	Office of Portfolio Analysis and Strategic Initiatives
					35	Office of Research Integrity
					36	Substance Abuse and Mental Health Services Administration
					37	The Office of the Director
					38	U.S. Department of Health and Human Services
					39	US ARMY
					99	Other

7	name_of_organizati on Show the field ON LY if: [user_affiliation] = '136' or [user_affilia tion] = '137' or [use r_affiliation] = '138' or [user_affiliation] = '99' or [ctsa] = '2' or [government_ag ency] = '99'	Please name your organization:	text, Required
8	recontact	Do we have your permission to re-contact you in the future for survey follow up?	yesno, Required 1 Yes 0 No
9	email Show the field ON LY if: [recontact] = '1'	Please enter the email address where you can be contacted:	text (email)
10	have_data	Do you have databases that relate to early life exposures, child-maternal health, or lifespan research?	yesno, Required 1 Yes 0 No Stop actions on 0
11	describe Show the field ON LY if: [have_data] = '1'	Please answer the below questions for each of the relevant databases at your institution.	descriptive
12	db_name1 Show the field ON LY if: [have_data] = '1'	Name of Database (or Study Title):	text, Required
13	bp_1 Show the field ON LY if: [have_data] = '1'	Does this database have an associated biorepository?	yesno, Required 1 Yes 0 No
14	dashboard1 Show the field ON LY if: [bp_1] = '1'	Does the biorepository use multiple databases that are linked and tied to a dashboard interface? (e.g. several individual databases tied to a single user interface for data extraction)	yesno, Required 1 Yes 0 No

15	kits1 Show the field ONLY if: [bp_1] = '1'	Does your biorepository build and use specific collection kits for single or multi-site use?	yesno, Required 	1	Yes
0	No	
16	inventory1 Show the field ONLY if: [kits1] = '1'	Do you have an inventory system that tracks use, expiration of kits, or their components?	yesno, Required 	1	Yes
0	No	
17	invent_system1 Show the field ONLY if: [inventory1] = '1'	Please briefly (i.e. 1-2 sentences) describe your inventory system? (e.g. Barcoding etc)	text, Required
18	aim1 Show the field ONLY if: [bp_1] = '1'	What was the primary aim of establishing this biorepository?	checkbox, Required | 0	aim1___0	Research
1	aim1___1	Clinical Care
2	aim1___2	Process Improvement
3	aim1___3	I Don't Know
6	aim1___6	Other	
19	aimbp_other1 Show the field ONLY if: [aim1(6)] = '1'	Please describe "Other".	text, Required
20	cohort_size_1 Show the field ONLY if: [have_data] = '1'	Please provide an estimate of cohort size?	radio, Required 	0	1-500 participants
1	501-1,000 participants
2	1,001 - 5,000 participants
3	5,001 - 10,000 participants
4	10,001 - 25,000 participants
5	25,001 - 100,000 participants
6	> 100,000 participants
7	I Don't Know	
21	website_1 Show the field ONLY if: [have_data] = '1'	Is there a website that people can visit for more information on this study/database?	yesno, Required 	1	Yes
0	No	

22	web_address_1 Show the field ONLY if: [website_1] = '1'	Please provide the web link if known:	text
23	longitute_1 Show the field ONLY if: [have_data] = '1'	Does the database allow for longitudinal studies (i.e. are multiple measurements available for a single patient, over multiple time points)?	dropdown (autocomplete), Required 0 | Yes 1 | No 2 | I Don't Know
24	share1 Show the field ONLY if: [bp_1] = '1'	Is the biorepository available/shareable? NOTE: Consider whether there are issues of technology or IRB regulations that might prevent sharing.	dropdown (autocomplete), Required 0 | Yes 1 | No 2 | I Don't Know
25	request1 Show the field ONLY if: [share1] = '0'	Please provide a brief description (i.e. 1-2 sentences) of how researchers can query and request data/specimens.	text, Required
26	leverage1 Show the field ONLY if: [share1] = '0'	Please explain briefly (i.e 1-2 sentences), how the database can be leveraged with interactions with other databases?	notes, Required
27	not_share1 Show the field ONLY if: [share1] = '1'	In an effort to understand and catalog the current state of the infrastructure, please explain briefly (i.e. 1-2 sentences) any of the major issues that currently prevent sharing of this database.	notes, Required
28	component1 Show the field ONLY if: [bp_1] = '1'	What are components of the biorepository?	checkbox, Required 0 | component1___0 | Blood 1 | component1___1 | Placenta 2 | component1___2 | Tissues/fluids 4 | component1___4 | I Don't Know 3 | component1___3 | Other
29	tf1 Show the field ONLY if: [component1(2)] = '1'	Please indicate what tissue/fluids?	text, Required

	30	other1 Show the field ONLY if: [component1(3)] = '1'	Please describe "Other".	text, Required
	31	sop_1 Show the field ONLY if: [component1(0)] = '1' or [component1(1)] = '1' or [component1(2)] = '1' or [component1(3)] = '1'	Are there Standard Operating Procedures (SOPs) that can be shared for how the samples/data were collected (i.e. time between collection and harvesting, method for harvesting, methods for processing, etc.)?	dropdown (autocomplete), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>No</td></tr><tr><td>2</td><td>I don't know</td></tr></table>
	32	modify_collect1 Show the field ONLY if: [sop_1] = '0'	Can collection procedures be modified to accommodate prospective or new studies?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>
	33	typedb1 Show the field ONLY if: [bp_1] = '1'	Please define the type of biorepository: NOTE: A centralized repository has specimens located at a single repository vs. a virtual repository where specimens are located at multiple repositories with a single acquisition database.	radio, Required <table><tr><td>0</td><td>Central</td></tr><tr><td>1</td><td>Virtual</td></tr></table>
	34	integrate1 Show the field ONLY if: [bp_1] = '1'	Are the data integrated with electronic health records?	radio (Matrix), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>No</td></tr><tr><td>3</td><td>I don't know</td></tr></table>
	35	nlp1 Show the field ONLY if: [bp_1] = '1'	Is the electronic health record system amenable to natural language processing?	radio (Matrix), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>No</td></tr><tr><td>3</td><td>I don't know</td></tr></table>
	36	labresult1 Show the field ONLY if: [bp_1] = '1'	Are laboratory results on tissues, as part of research and not part of medical practice, available?	radio (Matrix), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>No</td></tr><tr><td>3</td><td>I don't know</td></tr></table>

37	subject_typ1 Show the field ONLY if: [bp_1] = '1'	Please indicate the type of subjects that are included in the biorepository?	checkbox, Required

			checkbox, Required
			0	subject_typ1___0	Normal healthy
			1	subject_typ1___1	Disease state
			3	subject_typ1___3	I Don't Know
			4	subject_typ1___4	Other

38	other_subj1 Show the field ONLY if: [subject_typ1(4)] = '1'	Please describe "Other".	text, Required

39	disease_1 Show the field ONLY if: [subject_typ1(1)] = '1'	Please describe the "Disease State".	text, Required

40	enroll_cohort_1 Show the field ONLY if: [have_data] = '1'	Approximate age of participant at the time of enrollment into the database/cohort:	checkbox, Required

			0	enroll_cohort_1___0	pre-natal
			1	enroll_cohort_1___1	infant
			2	enroll_cohort_1___2	child
			3	enroll_cohort_1___3	young adult
			4	enroll_cohort_1___4	adult
			5	enroll_cohort_1___5	senior
			6	enroll_cohort_1___6	pregnancy
			7	enroll_cohort_1___7	I Don't Know

41	consent1 Show the field ONLY if: [bp_1] = '1'	Is there a universal consent in place that has been approved by multiple institutions?	dropdown (autocomplete), Required

			0	Yes
			1	No
			2	I don't know

42	add_db1 Show the field ONLY if: [bp_1] = '1' or [bp_1] = '0'	Add another database?	yesno, Required

			1	Yes
			0	No

Stop actions on 0

43	db_name2 Show the field ONLY if: [add_db1] = '1'	Name of Database (or Study Title):	text, Required
44	bp_2 Show the field ONLY if: [add_db1] = '1'	Does this database have an associated biorepository?	yesno, Required 1 Yes 0 No
45	dashboard2 Show the field ONLY if: [bp_2] = '1'	Does the biorepository use multiple databases that are linked and tied to a dashboard interface? (e.g. several individual databases tied to a single user interface for data extraction)	yesno, Required 1 Yes 0 No
46	kits2 Show the field ONLY if: [bp_2] = '1'	Does your biorepository build and use specific collection kits for single or multi-site use?	yesno, Required 1 Yes 0 No
47	inventory2 Show the field ONLY if: [kits2] = '1'	Do you have an inventory system that tracks use, expiration of kits, or their components?	yesno, Required 1 Yes 0 No
48	invent_system2 Show the field ONLY if: [inventory2] = '1'	Please briefly (i.e. 1-2 sentences) describe your inventory system? (e.g. Barcoding etc)	text, Required
49	aim2 Show the field ONLY if: [bp_2] = '1'	What was the primary aim of establishing this biorepository?	checkbox, Required 0 aim2___0 Research 1 aim2___1 Clinical Care 2 aim2___2 Process Improvement 3 aim2___3 I Don't Know 6 aim2___6 Other
50	aimbp_other2 Show the field ONLY if: [aim2(6)] = '1'	Please describe "Other".	text, Required

	51	cohort_size_2 Show the field ONLY if: [add_db1] = '1'	Please provide an estimate of cohort size?	radio, Required <table><tr><td>0</td><td>1-500 participants</td></tr><tr><td>1</td><td>501-1,000 participants</td></tr><tr><td>2</td><td>1,001 - 5,000 participants</td></tr><tr><td>3</td><td>5,001 - 10,000 participants</td></tr><tr><td>4</td><td>10,001 - 25,000 participants</td></tr><tr><td>5</td><td>25,001 - 100,000 participants</td></tr><tr><td>6</td><td>> 100,000 participants</td></tr><tr><td>7</td><td>I Don't Know</td></tr></table>
	52	website_2 Show the field ONLY if: [add_db1] = '1'	Is there a website that people can visit for more information on this study/database?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>
	53	web_address_2 Show the field ONLY if: [website_2] = '1'	Please provide the web link if known:	text
	54	longitute_2 Show the field ONLY if: [add_db1] = '1'	Does the database allow for longitudinal studies (i.e. are multiple measurements available for a single patient, over multiple time points)?	dropdown (autocomplete), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>No</td></tr><tr><td>2</td><td>I Don't Know</td></tr></table>
	55	share2 Show the field ONLY if: [bp_2] = '1'	Is the biorepository available/shareable? NOTE: Consider whether there are issues of technology or IRB regulations that might prevent sharing.	dropdown (autocomplete), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>No</td></tr><tr><td>2</td><td>I Don't Know</td></tr></table>
	56	request2 Show the field ONLY if: [share2] = '0'	Please provide a brief description (i.e. 1-2 sentences) of how researchers can query and request data/specimens.	text, Required
	57	leverage2 Show the field ONLY if: [share2] = '0'	Please explain briefly (i.e 1-2 sentences), how the database can be leveraged with interactions with other databases?	notes, Required

58	not_share2 Show the field ONLY if: [share2] = '1'	In an effort to understand and catalog the current state of the infrastructure, please explain briefly (i.e. 1-2 sentences) any of the major issues that currently prevent sharing of this database.	notes, Required		
59	component2 Show the field ONLY if: [bp_2] = '1'	What are components of the biorepository?	checkbox, Required		
			0	component2___0	Blood
			1	component2___1	Placenta
			2	component2___2	Tissues/fluids
			4	component2___4	I Don't Know
			3	component2___3	Other
60	tf2 Show the field ONLY if: [component2(2)] = '1'	Please indicate what tissue/fluid?	text, Required		
61	other2 Show the field ONLY if: [component2(3)] = '1'	Please describe "Other".	text, Required		
62	sop_2 Show the field ONLY if: [component2(0)] = '1' or [component2(1)] = '1' or [component2(2)] = '1' or [component2(3)] = '1'	Are there Standard Operating Procedures (SOPs) that can be shared for how the samples/data were collected (i.e. time between collection and harvesting, method for harvesting, methods for processing, etc.)?	dropdown (autocomplete), Required 0 Yes 1 No 2 I don't know		
63	modify_collect2 Show the field ONLY if: [sop_2] = '0'	Can collection procedures be modified to accommodate prospective or new studies?	yesno, Required 1 Yes 0 No		
64	typedb2 Show the field ONLY if: [bp_2] = '1'	Please define the type of biorepository: NOTE: A centralized repository has specimens located at a single repository vs. a virtual repository where specimens are located at multiple repositories with a single acquisition database.	radio, Required 0 Central 1 Virtual		

65	integrate2 Show the field ONLY if: [bp_2] = '1'	Are the data integrated with electronic health records?	checkbox		
			0	integrate2___0	Yes
			1	integrate2___1	Somewhat/Maybe
			2	integrate2___2	No
			3	integrate2___3	I don't know
66	nlp2 Show the field ONLY if: [bp_2] = '1'	Is the electronic health record system amenable to natural language processing?	checkbox		
			0	nlp2___0	Yes
			1	nlp2___1	Somewhat/Maybe
			2	nlp2___2	No
			3	nlp2___3	I don't know
67	labresult2 Show the field ONLY if: [bp_2] = '1'	Are laboratory results on tissues, as part of research and not part of medical practice, available?	checkbox		
			0	labresult2___0	Yes
			1	labresult2___1	Somewhat/Maybe
			2	labresult2___2	No
			3	labresult2___3	I don't know
68	subject_typ2 Show the field ONLY if: [bp_2] = '1'	Please indicate the type of subjects that are included in the biorepository?	checkbox, Required		
			0	subject_typ2___0	Normal healthy
			1	subject_typ2___1	Disease state
			4	subject_typ2___4	Other
69	other_subj2 Show the field ONLY if: [subject_typ2(4)] = '1'	Please describe "Other".	text, Required		
70	disease_2 Show the field ONLY if: [subject_typ2(1)] = '1'	Please describe the "Disease State".	text, Required		

71	enroll_cohort_2 Show the field ONLY if: [add_db1] = '1'	Approximate age of participant at the time of enrollment into the database/cohort:	checkbox, Required

			0	enroll_cohort_2___0	pre-natal
			1	enroll_cohort_2___1	infant
			2	enroll_cohort_2___2	child
			3	enroll_cohort_2___3	young adult
			4	enroll_cohort_2___4	adult
			5	enroll_cohort_2___5	senior
			6	enroll_cohort_2___6	pregnancy
			7	enroll_cohort_2___7	I Don't Know

72	consent2 Show the field ONLY if: [bp_2] = '1'	Is there a universal consent in place that has been approved by multiple institutions?	dropdown (autocomplete), Required 0 Yes 1 No 2 I don't know
73	add_db2 Show the field ONLY if: [add_db1] = '1'	Add another database?	yesno, Required 1 Yes 0 No Stop actions on 0
74	db_name3 Show the field ONLY if: [add_db2] = '1'	Name of Database (or Study Title):	text, Required
75	bp_3 Show the field ONLY if: [add_db2] = '1'	Does this database have an associated biorepository?	yesno, Required 1 Yes 0 No
76	dashboard3 Show the field ONLY if: [bp_3] = '1'	Does the biorepository use multiple databases that are linked and tied to a dashboard interface? (e.g. several individual databases tied to a single user interface for data extraction)	yesno, Required 1 Yes 0 No
77	kits3 Show the field ONLY if: [bp_3] = '1'	Does your biorepository build and use specific collection kits for single or multi-site use?	yesno, Required 1 Yes 0 No

| 78 | inventory3

Show the field ONLY if:
[kits3] = '1' | Do you have an inventory system that tracks use, expiration of kits, or their components? | yesno, Required

| 1 | Yes |
0	No	
79	invent_system3 Show the field ONLY if: [inventory3] = '1'	Please briefly (i.e. 1-2 sentences) describe your inventory system? (e.g. Barcoding etc)	text, Required
80	aim3 Show the field ONLY if: [bp_3] = '1'	What was the primary aim of establishing this biorepository?	checkbox, Required | 0	aim3___0	Research
1	aim3___1	Clinical Care
2	aim3___2	Process Improvement
3	aim3___3	I Don't Know
6	aim3___6	Other	
81	aimbp_other3 Show the field ONLY if: [aim3(6)] = '1'	Please describe "Other".	text, Required
82	cohort_size_3 Show the field ONLY if: [add_db2] = '1'	Please provide an estimate of cohort size?	radio, Required 	0	1-500 participants
1	501-1,000 participants
2	1,001 - 5,000 participants
3	5,001 - 10,000 participants
4	10,001 - 25,000 participants
5	25,001 - 100,000 participants
6	> 100,000 participants
7	I Don't Know	
83	website_3 Show the field ONLY if: [add_db2] = '1'	Is there a website that people can visit for more information on this study/database?	yesno, Required 	1	Yes
0	No	
84	web_address_3 Show the field ONLY if: [website_3] = '1'	Please provide the web link if known:	text

85	longitute_3 Show the field ONLY if: [add_db2] = '1'	Does the database allow for longitudinal studies (i.e. are multiple measurements available for a single patient, over multiple time points)?	dropdown (autocomplete), Required 	0	Yes
1	No
2	I Don't Know	
86	share3 Show the field ONLY if: [bp_3] = '1'	Is the biorepository available/shareable? NOTE: Consider whether there are issues of technology or IRB regulations that might prevent sharing.	dropdown (autocomplete), Required 	0	Yes
1	No
2	I Don't Know	
87	request3 Show the field ONLY if: [share3] = '0'	Please provide a brief description (i.e. 1-2 sentences) of how researchers can query and request data/specimens.	text, Required
88	leverage3 Show the field ONLY if: [share3] = '0'	Please explain briefly (i.e 1-2 sentences), how the database can be leveraged with interactions with other databases?	notes, Required
89	not_share3 Show the field ONLY if: [share3] = '1'	In an effort to understand and catalog the current state of the infrastructure, please explain briefly (i.e. 1-2 sentences) any of the major issues that currently prevent sharing of this database.	notes, Required
90	component3 Show the field ONLY if: [bp_3] = '1'	What are components of the biorepository?	checkbox, Required | 0	component3___0	Blood
1	component3___1	Placenta
2	component3___2	Tissues/fluids
4	component3___4	I Don't Know
3	component3___3	Other	
91	tf3 Show the field ONLY if: [component3(2)] = '1'	Please indicate what tissue/fluid?	text, Required
92	other3 Show the field ONLY if: [component3(3)] = '1'	Please describe "Other".	text, Required

93	sop_3 Show the field ONLY if: [component3(0)] = '1' or [component3(1)] = '1' or [component3(2)] = '1' or [component3(3)] = '1'	Are there Standard Operating Procedures (SOPs) that can be shared for how the samples/data were collected (i.e. time between collection and harvesting, method for harvesting, methods for processing, etc.)?	dropdown (autocomplete), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>No</td></tr><tr><td>2</td><td>I don't know</td></tr></table>
94	modify_collect3 Show the field ONLY if: [sop_3] = '0'	Can collection procedures be modified to accommodate prospective or new studies?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>
95	typedb3 Show the field ONLY if: [bp_3] = '1'	Please define the type of biorepository: NOTE: A centralized repository has specimens located at a single repository vs. a virtual repository where specimens are located at multiple repositories with a single acquisition database.	radio, Required <table><tr><td>0</td><td>Central</td></tr><tr><td>1</td><td>Virtual</td></tr></table>
96	integrate3 Show the field ONLY if: [bp_3] = '1'	Are the data integrated with electronic health records?	checkbox <table><tr><td>0</td><td>integrate3___0</td><td>Yes</td></tr><tr><td>1</td><td>integrate3___1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>integrate3___2</td><td>No</td></tr><tr><td>3</td><td>integrate3___3</td><td>I don't know</td></tr></table>
97	nlp3 Show the field ONLY if: [bp_3] = '1'	Is the electronic health record system amenable to natural language processing?	checkbox <table><tr><td>0</td><td>nlp3___0</td><td>Yes</td></tr><tr><td>1</td><td>nlp3___1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>nlp3___2</td><td>No</td></tr><tr><td>3</td><td>nlp3___3</td><td>I don't know</td></tr></table>
98	labresult3 Show the field ONLY if: [bp_3] = '1'	Are laboratory results on tissues, as part of research and not part of medical practice, available?	checkbox <table><tr><td>0</td><td>labresult3___0</td><td>Yes</td></tr><tr><td>1</td><td>labresult3___1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>labresult3___2</td><td>No</td></tr><tr><td>3</td><td>labresult3___3</td><td>I don't know</td></tr></table>

99	subject_typ3 Show the field ONLY if: [bp_3] = '1'	Please indicate the type of subjects that are included in the biorepository?	checkbox, Required <table><tr><td>0</td><td>subject_typ3___0</td><td>Normal healthy</td></tr><tr><td>1</td><td>subject_typ3___1</td><td>Disease state</td></tr><tr><td>4</td><td>subject_typ3___4</td><td>Other</td></tr></table>
100	other_subj3 Show the field ONLY if: [subject_typ3(4)] = '1'	Please describe "Other".	text, Required
101	disease_3 Show the field ONLY if: [subject_typ3(1)] = '1'	Please describe the "Disease State".	text, Required
102	enroll_cohort_3 Show the field ONLY if: [add_db2] = '1'	Approximate age of participant at the time of enrollment into the database/cohort:	checkbox, Required <table><tr><td>0</td><td>enroll_cohort_3___0</td><td>pre-natal</td></tr><tr><td>1</td><td>enroll_cohort_3___1</td><td>infant</td></tr><tr><td>2</td><td>enroll_cohort_3___2</td><td>child</td></tr><tr><td>3</td><td>enroll_cohort_3___3</td><td>young adult</td></tr><tr><td>4</td><td>enroll_cohort_3___4</td><td>adult</td></tr><tr><td>5</td><td>enroll_cohort_3___5</td><td>senior</td></tr><tr><td>6</td><td>enroll_cohort_3___6</td><td>pregnancy</td></tr><tr><td>7</td><td>enroll_cohort_3___7</td><td>I Don't Know</td></tr></table>
103	consent3 Show the field ONLY if: [bp_3] = '1'	Is there a universal consent in place that has been approved by multiple institutions?	dropdown (autocomplete), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>No</td></tr><tr><td>2</td><td>I don't know</td></tr></table>
104	add_db3 Show the field ONLY if: [add_db2] = '1'	Add another database?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table> Stop actions on 0

105	db_name4 Show the field ONLY if: [add_db3] = '1'	Name of Database (or Study Title):	text, Required
106	bp_4 Show the field ONLY if: [add_db3] = '1'	Does this database have an associated biorepository?	yesno, Required 1 Yes 0 No
107	dashboard4 Show the field ONLY if: [bp_4] = '1'	Does the biorepository use multiple databases that are linked and tied to a dashboard interface? (e.g. several individual databases tied to a single user interface for data extraction)	yesno, Required 1 Yes 0 No
108	kits4 Show the field ONLY if: [bp_4] = '1'	Does your biorepository build and use specific collection kits for single or multi-site use?	yesno, Required 1 Yes 0 No
109	inventory4 Show the field ONLY if: [kits4] = '1'	Do you have an inventory system that tracks use, expiration of kits, or their components?	yesno, Required 1 Yes 0 No
110	invent_system4 Show the field ONLY if: [inventory4] = '1'	Please briefly (i.e. 1-2 sentences) describe your inventory system? (e.g. Barcoding etc)	text, Required
111	aim4 Show the field ONLY if: [bp_4] = '1'	What was the primary aim of establishing this biorepository?	checkbox, Required 0 aim4___0 Research 1 aim4___1 Clinical Care 2 aim4___2 Process Improvement 3 aim4___3 I Don't Know 6 aim4___6 Other
112	aimbp_other4 Show the field ONLY if: [aim4(6)] = '1'	Please describe "Other".	text, Required

113	cohort_size_4 Show the field ONLY if: [add_db3] = '1'	Please provide an estimate of cohort size?	radio, Required 	0	1-500 participants
1	501-1,000 participants
2	1,001 - 5,000 participants
3	5,001 - 10,000 participants
4	10,001 - 25,000 participants
5	25,001 - 100,000 participants
6	> 100,000 participants
7	I Don't Know	
114	website_4 Show the field ONLY if: [add_db3] = '1'	Is there a website that people can visit for more information on this study/database?	yesno, Required 	1	Yes
0	No	
115	web_address_4 Show the field ONLY if: [website_4] = '1'	Please provide the web link if known:	text
116	longitute_4 Show the field ONLY if: [add_db3] = '1'	Does the database allow for longitudinal studies (i.e. are multiple measurements available for a single patient, over multiple time points)?	dropdown (autocomplete), Required 	0	Yes
1	No
2	I Don't Know	
117	share4 Show the field ONLY if: [bp_4] = '1'	Is the biorepository available/shareable? NOTE: Consider whether there are issues of technology or IRB regulations that might prevent sharing.	dropdown (autocomplete), Required 	0	Yes
1	No
2	I Don't Know	
118	request4 Show the field ONLY if: [share4] = '0'	Please provide a brief description (i.e. 1-2 sentences) of how researchers can query and request data/specimens.	text, Required
119	leverage4 Show the field ONLY if: [share4] = '0'	Please explain briefly (i.e 1-2 sentences), how the database can be leveraged with interactions with other databases?	notes, Required

120	not_share4 Show the field ONLY if: [share4] = '1'	In an effort to understand and catalog the current state of the infrastructure, please explain briefly (i.e. 1-2 sentences) any of the major issues that currently prevent sharing of this database.	notes, Required	
121	component4 Show the field ONLY if: [bp_4] = '1'	What are components of the biorepository?	checkbox, Required <table><tr><td>0</td><td>component4___0</td><td>Blood</td></tr><tr><td>1</td><td>component4___1</td><td>Placenta</td></tr><tr><td>2</td><td>component4___2</td><td>Tissues/fluids</td></tr><tr><td>4</td><td>component4___4</td><td>I Don't Know</td></tr><tr><td>3</td><td>component4___3</td><td>Other</td></tr></table>	
122	tf4 Show the field ONLY if: [component4(2)] = '1'	Please indicate what tissue/fluid?	text, Required	
123	other4 Show the field ONLY if: [component4(3)] = '1'	Please describe "Other".	text, Required	
124	sop_4 Show the field ONLY if: [component4(0)] = '1' or [component4(1)] = '1' or [component4(2)] = '1' or [component4(3)] = '1'	Are there Standard Operating Procedures (SOPs) that can be shared for how the samples/data were collected (i.e. time between collection and harvesting, method for harvesting, methods for processing, etc.)?	dropdown (autocomplete), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>No</td></tr><tr><td>2</td><td>I don't know</td></tr></table>	
125	modify_collect4 Show the field ONLY if: [sop_4] = '0'	Can collection procedures be modified to accommodate prospective or new studies?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>	
126	typedb4 Show the field ONLY if: [bp_4] = '1'	Please define the type of biorepository: NOTE: A centralized repository has specimens located at a single repository vs. a virtual repository where specimens are located at multiple repositories with a single acquisition database.	radio, Required <table><tr><td>0</td><td>Central</td></tr><tr><td>1</td><td>Virtual</td></tr></table>	

127	integrate4 Show the field ONLY if: [bp_4] = '1'	Are the data integrated with electronic health records?	checkbox

			0	integrate4___0	Yes
			1	integrate4___1	Somewhat/Maybe
			2	integrate4___2	No
			3	integrate4___3	I don't know

128	nlp4 Show the field ONLY if: [bp_4] = '1'	Is the electronic health record system amenable to natural language processing?	checkbox

			0	nlp4___0	Yes
			1	nlp4___1	Somewhat/Maybe
			2	nlp4___2	No
			3	nlp4___3	I don't know

129	labresult4 Show the field ONLY if: [bp_4] = '1'	Are laboratory results on tissues, as part of research and not part of medical practice, available?	checkbox

			0	labresult4___0	Yes
			1	labresult4___1	Somewhat/Maybe
			2	labresult4___2	No
			3	labresult4___3	I don't know

130	subject_typ4 Show the field ONLY if: [bp_4] = '1'	Please indicate the type of subjects that are included in the biorepository?	checkbox, Required

			0	subject_typ4___0	Normal healthy
			1	subject_typ4___1	Disease state
			4	subject_typ4___4	Other

131	other_subj4 Show the field ONLY if: [subject_typ4(4)] = '1'	Please describe "Other".	text, Required

132	disease_4 Show the field ONLY if: [subject_typ4(1)] = '1'	Please describe the "Disease State".	text, Required

133	enroll_cohort_4 Show the field ONLY if: [add_db3] = '1'	Approximate age of participant at the time of enrollment into the database/cohort:	checkbox, Required

checkbox, Required

0	enroll_cohort_4___0	pre-natal
1	enroll_cohort_4___1	infant
2	enroll_cohort_4___2	child
3	enroll_cohort_4___3	young adult
4	enroll_cohort_4___4	adult
5	enroll_cohort_4___5	senior
6	enroll_cohort_4___6	pregnancy
7	enroll_cohort_4___7	I Don't Know

134	consent4 Show the field ONLY if: [bp_4] = '1'	Is there a universal consent in place that has been approved by multiple institutions?	dropdown (autocomplete), Required

dropdown (autocomplete), Required

0	Yes
1	No
2	I don't know

135	add_db4 Show the field ONLY if: [add_db3] = '1'	Add another database?	yesno, Required

yesno, Required

1	Yes
0	No

Stop actions on 0

136	db_name5 Show the field ONLY if: [add_db4] = '1'	Name of Database (or Study Title):	text, Required

137	bp_5 Show the field ONLY if: [add_db4] = '1'	Does this database have an associated biorepository?	yesno, Required

yesno, Required

1	Yes
0	No

138	dashboard5 Show the field ONLY if: [bp_5] = '1'	Does the biorepository use multiple databases that are linked and tied to a dashboard interface? (e.g. several individual databases tied to a single user interface for data extraction)	yesno, Required

yesno, Required

1	Yes
0	No

139	kits5 Show the field ONLY if: [bp_5] = '1'	Does your biorepository build and use specific collection kits for single or multi-site use?	yesno, Required

yesno, Required

1	Yes
0	No

| 140 | inventory5

Show the field ONLY if:
[kits5] = '1' | Do you have an inventory system that tracks use, expiration of kits, or their components? | yesno, Required

| 1 | Yes |
0	No	
141	invent_system5 Show the field ONLY if: [inventory5] = '1'	Please briefly (i.e. 1-2 sentences) describe your inventory system? (e.g. Barcoding etc)	text, Required
142	aim5 Show the field ONLY if: [bp_5] = '1'	What was the primary aim of establishing this biorepository?	checkbox, Required | 0	aim5___0	Research
1	aim5___1	Clinical Care
2	aim5___2	Process Improvement
3	aim5___3	I Don't Know
6	aim5___6	Other	
143	aimbp_other5 Show the field ONLY if: [aim5(6)] = '1'	Please describe "Other".	text, Required
144	cohort_size_5 Show the field ONLY if: [add_db4] = '1'	Please provide an estimate of cohort size?	radio, Required 	0	1-500 participants
1	501-1,000 participants
2	1,001 - 5,000 participants
3	5,001 - 10,000 participants
4	10,001 - 25,000 participants
5	25,001 - 100,000 participants
6	> 100,000 participants
7	I Don't Know	
145	website_5 Show the field ONLY if: [add_db4] = '1'	Is there a website that people can visit for more information on this study/database?	yesno, Required 	1	Yes
0	No	
146	web_address_5 Show the field ONLY if: [website_5] = '1'	Please provide the web link if known:	text

147	longitute_5 Show the field ONLY if: [add_db4] = '1'	Does the database allow for longitudinal studies (i.e. are multiple measurements available for a single patient, over multiple time points)?	dropdown (autocomplete), Required 0 | Yes 1 | No 2 | I Don't Know
148	share5 Show the field ONLY if: [bp_5] = '1'	Is the biorepository available/shareable? NOTE: Consider whether there are issues of technology or IRB regulations that might prevent sharing.	dropdown (autocomplete), Required 0 | Yes 1 | No 2 | I Don't Know
149	request5 Show the field ONLY if: [share5] = '0'	Please provide a brief description (i.e. 1-2 sentences) of how researchers can query and request data/specimens.	text, Required
150	leverage5 Show the field ONLY if: [share5] = '0'	Please explain briefly (i.e 1-2 sentences), how the database can be leveraged with interactions with other databases?	notes, Required
151	not_share5 Show the field ONLY if: [share5] = '1'	In an effort to understand and catalog the current state of the infrastructure, please explain briefly (i.e. 1-2 sentences) any of the major issues that currently prevent sharing of this database.	notes, Required
152	component5 Show the field ONLY if: [bp_5] = '1'	What are components of the biorepository?	checkbox, Required 0 | component5___0 | Blood 1 | component5___1 | Placenta 2 | component5___2 | Tissues/fluids 4 | component5___4 | I Don't Know 3 | component5___3 | Other
153	tf5 Show the field ONLY if: [component5(2)] = '1'	Please indicate what tissue/fluid?	text, Required
154	other5 Show the field ONLY if: [component5(3)] = '1'	Please describe "Other".	text, Required

155	sop_5 Show the field ONLY if: [component5(0)] = '1' or [component5(1)] = '1' or [component5(2)] = '1' or [component5(3)] = '1'	Are there Standard Operating Procedures (SOPs) that can be shared for how the samples/data were collected (i.e. time between collection and harvesting, method for harvesting, methods for processing, etc.)?	dropdown (autocomplete), Required <table><tr><td>0</td><td>Yes</td></tr><tr><td>1</td><td>No</td></tr><tr><td>2</td><td>I don't know</td></tr></table>
156	modify_collect5 Show the field ONLY if: [sop_5] = '0'	Can collection procedures be modified to accommodate prospective or new studies?	yesno, Required <table><tr><td>1</td><td>Yes</td></tr><tr><td>0</td><td>No</td></tr></table>
157	typedb5 Show the field ONLY if: [bp_5] = '1'	Please define the type of biorepository: NOTE: A centralized repository has specimens located at a single repository vs. a virtual repository where specimens are located at multiple repositories with a single acquisition database.	radio, Required <table><tr><td>0</td><td>Central</td></tr><tr><td>1</td><td>Virtual</td></tr></table>
158	integrate5 Show the field ONLY if: [bp_5] = '1'	Are the data integrated with electronic health records?	checkbox <table><tr><td>0</td><td>integrate5___0</td><td>Yes</td></tr><tr><td>1</td><td>integrate5___1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>integrate5___2</td><td>No</td></tr><tr><td>3</td><td>integrate5___3</td><td>I don't know</td></tr></table>
159	nlp5 Show the field ONLY if: [bp_5] = '1'	Is the electronic health record system amenable to natural language processing?	checkbox <table><tr><td>0</td><td>nlp5___0</td><td>Yes</td></tr><tr><td>1</td><td>nlp5___1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>nlp5___2</td><td>No</td></tr><tr><td>3</td><td>nlp5___3</td><td>I don't know</td></tr></table>
160	labresult5 Show the field ONLY if: [bp_5] = '1'	Are laboratory results on tissues, as part of research and not part of medical practice, available?	checkbox <table><tr><td>0</td><td>labresult5___0</td><td>Yes</td></tr><tr><td>1</td><td>labresult5___1</td><td>Somewhat/Maybe</td></tr><tr><td>2</td><td>labresult5___2</td><td>No</td></tr><tr><td>3</td><td>labresult5___3</td><td>I don't know</td></tr></table>

161	subject_typ5 Show the field ONLY if: [bp_5] = '1'	Please indicate the type of subjects that are included in the biorepository?	checkbox, Required 	0	subject_typ5___0	Normal healthy
1	subject_typ5___1	Disease state
4	subject_typ5___4	Other	
162	other_subj5 Show the field ONLY if: [subject_typ5(4)] = '1'	Please describe "Other".	text, Required
163	disease_5 Show the field ONLY if: [subject_typ5(1)] = '1'	Please describe the "Disease State".	text, Required
164	enroll_cohort_5 Show the field ONLY if: [add_db4] = '1'	Approximate age of participant at the time of enrollment into the database/cohort:	checkbox, Required 	0	enroll_cohort_5___0	pre-natal
1	enroll_cohort_5___1	infant
2	enroll_cohort_5___2	child
3	enroll_cohort_5___3	young adult
4	enroll_cohort_5___4	adult
5	enroll_cohort_5___5	senior
6	enroll_cohort_5___6	pregnancy
7	enroll_cohort_5___7	I Don't Know	
165	consent5 Show the field ONLY if: [bp_5] = '1'	Is there a universal consent in place that has been approved by multiple institutions?	dropdown (autocomplete), Required 	0	Yes
1	No
2	I don't know	
166	ctsa_lifespan_domain_task_force_early_life_exposur_complete	Section Header: *Form Status* Complete?	dropdown 	0	Incomplete
1	Unverified
2	Complete	