

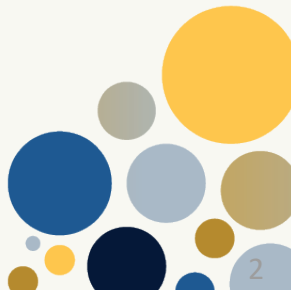
# RECOVER Biorepository Biospecimen Inventory

22 July 2024



# Biospecimens Available for Ancillary Studies

- The RECOVER Biorepository contains over 1 million biospecimens from the three observational cohort studies (Adult, Pediatric and Autopsy).
- The following tables provide collection timepoints and biospecimen types/quantities for each of the three observational cohort studies.
- The information in these slides is current as of May 27, 2024 and will be updated regularly.



# Biospecimen Inventory | All Cohorts \*

There are approximately **1 million biospecimens** in the Biospecimen Inventory as of 5/27/2024. Detailed collection metrics for each Cohort are included in the following slides.

Biospecimen Type	Adult	Pediatric
Serum	279,459	6,179
Plasma	194,296	19,168
PBMC	170,642	8,095
Nasal Swabs	37,711	----
Urine	138,024	----
Saliva	12,531	6,091
Stool	10,354	----
Paxgene	37,528	----
WBC	30,885	2,183
RBC	----	5,553
Tasso Blood Spot	----	41,399

Biospecimen Type	Autopsy
Blood Spot	192
Bronchial Swabs	190
CSF Fluids	1,516
FFPE Block	8,578
FFPE Slide	8,533
Frozen Tissue	16,930
Serum	1,492
Stool	187

\*As of May 27, 2024, includes samples in the PASC Biorepository Core (PBC) that are not yet available for distribution.

# Biospecimen Inventory | Collection Metrics – Adult\*

## ENROLLED in study

- **14,747** participants

## CONSENTED for collection

- **12,875 (87%)** consented for all collections
- **13,800 (94%)** consented for collections excluding saliva

## COLLECTED

### First collection

- **13,483 (91%)** have **any biospecimen** collected
- **13,075 (89%)** have **serum** collected
- **8,184 (55%)** have **stool** collected
- **12,265 (83%)** have **saliva** collected

### Second Collection

- **11,339 (77%)** have **any biospecimen** collected
- **10,742 (73%)** have **serum** collected

## AVAILABLE for distribution

### First collection

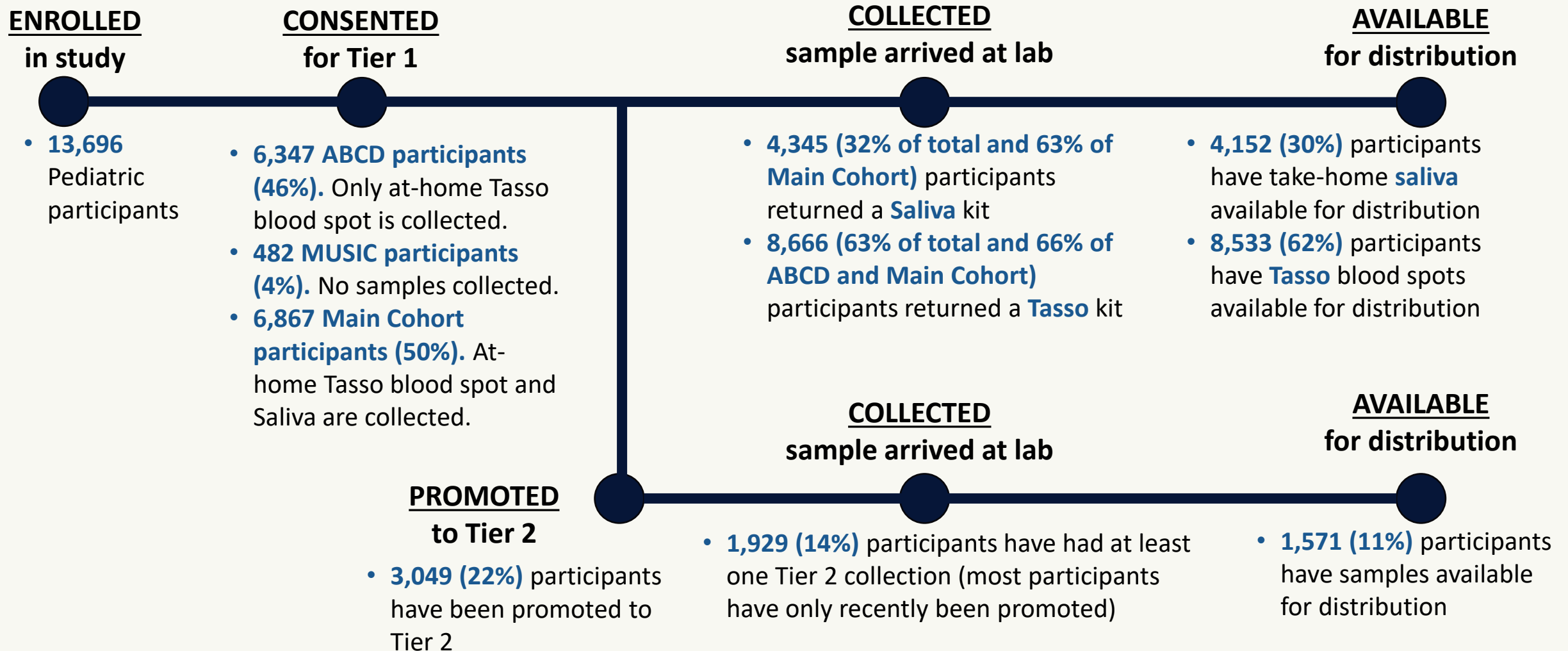
- **13,466 (91%)** have **any biospecimen**
- **13,025 (88%)** have **serum**
- **7,576 (51%)** have **stool**
- **12,052 (82%)** have **saliva**

### Second Collection

- **11,196 (76%)** have **any biospecimen**
- **10,555 (72%)** have **serum**

\* Percentages are based on the full Adult Cohort

# Biospecimen Inventory | Collection Metrics – Pediatric\*



\* Excludes Caregiver and Congenital collections; Percentages are based on the full Pediatric Cohort

# Biospecimen Inventory | Collection Metrics – Autopsy

ENROLLED  
in study

- **204** decedents

COLLECTED  
Received at the lab

- **197 (97%)** decedents have a sample at the lab

AVAILABLE  
For distribution

- **197 (97%)** decedents have sample available for distribution

# Biospecimen Collections | Adult Study

Adult Cohort				
Collected Specimen	Stored Specimen	Baseline	3, 6, 12, 36, 48 Month	24 Month
Stool	Stool	Yes	No	Yes
Urine	Urine	Yes	No	Yes
Nasal/NP swab	Nasal or NP Cells	Yes	Yes	Yes
Oragene 600 - Saliva	Saliva	Yes	No	No
Serum Separator Tube (SST) - Whole Blood	Serum	Yes	Yes	Yes
Sodium Citrate – Whole Blood	Plasma	Yes	Yes	Yes
PAXgene RNA – Whole Blood	Whole Blood	Yes	Yes	Yes
Cell Preservation Tube (CPT) - Whole Blood	Peripheral Blood Mononuclear cells (PBMCs)	Yes	Yes	Yes
EDTA – Whole Blood	Plasma White blood Cells (WBCs)	Yes	Yes	Yes

# Biospecimen Counts (873,857) | Adult Cohort Study

Adult Study Group	Serum	PBMCs	WBC	Urine	Saliva	Plasma	Nasal Swabs	Stool
Acute Infected	98,532	57,192	11,111	36,125	3,600	70,737	13,396	2,905
Post-acute Infected	127,933	83,332	13,343	78,456	6,738	82,531	17,119	5,602
Post-acute Uninfected	23,368	13,414	2,782	12,473	1,124	17,654	3,128	935
Acute Uninfected	29,626	16,704	3,651	10,970	1,072	23,324	4,068	912
<b>Total</b>	<b>279,459</b>	<b>170,642</b>	<b>30,887</b>	<b>138,024</b>	<b>12,534</b>	<b>194,246</b>	<b>37,711</b>	<b>10,354</b>



# Biospecimen Collections | Pediatric Study

Pediatric Cohort (Children and Young Adults)					
Collected Specimen	Stored Specimen	Acute (Week 8)	Post Acute (Baseline)	Tier 2: 6 Month	Tier 2: 12, 24, 36, 48 Month
Tasso M20	Whole Blood Spot	No	Yes	No	No
Oragene 600 - Saliva	Saliva	Yes (2 years +)	Yes	No	No
Serum Separator Tube (SST) – Whole Blood	Serum	Yes (2 years +)	No	Yes (2 years +)	Yes (2 years +)
Cell Preservation Tube (CPT) – Whole Blood	Peripheral Blood Mononuclear Cells (PBMCs)	Yes (6 years +)	No	No	Yes (6 years +)
EDTA – Whole Blood	Plasma White Blood Cells (WBCs) Red Blood Cells (RBCs)	Yes (2 years +)	No	Yes (2-6 years & 10 years +)	Yes (2 years +)

Pediatric Cohort (Young Adults)		
Collected Specimen	Stored Specimen	Baseline
Tasso M20	Blood Spot	Yes
Oragene 600 - Saliva	Saliva	Yes

# Biospecimen Counts (88,768) | Pediatric Study

Pediatric Main Study Group	Blood Spot	Serum	RBC	WBC	Plasma	Saliva	PBMCs
Uninfected	10,348	1,403	1,153	465	3,896	1,100	1,812
Post-Acute Infected	14,626	3,189	3,294	1,285	11,622	3,068	4,152
Acute Infected	15	1,587	1,106	433	3,650	216	2,131
<b>Total</b>	<b>24,989</b>	<b>6,179</b>	<b>5,553</b>	<b>2,183</b>	<b>19,168</b>	<b>4,384</b>	<b>8,095</b>

Caregiver Study Group	Blood Spot	Saliva
Pediatric Caregiver	16,300	1,707

Congenital Study Group	Blood Spot	Serum	WBC	Plasma	RBC
Congenitally Exposed	71	7	6	23	2
Not Congenitally Exposed	39	19	7	32	4
<b>Total</b>	<b>110</b>	<b>26</b>	<b>13</b>	<b>55</b>	<b>6</b>

# Biospecimen Collections | Autopsy Study

<b>Autopsy Cohort</b>	
<b>Collected Specimen</b>	<b>Stored Specimen</b>
<b>Blood Spot Card – Whole Blood</b>	Whole Blood Spot
<b>Serum Separator Tube (SST) – Whole Blood</b>	Serum
<b>Cerebral Spinal Fluid (CSF)</b>	Cerebral Spinal Fluid (CSF)
<b>Bronchial Swab</b>	Bronchial Cells
<b>Stool</b>	Stool
<b>51 Defined Tissue Sites +5 Additional Tissues</b>	Snap Frozen Tissue
<b>51 Defined Tissue Sites +5 Additional Tissues</b>	FFPE Tissue

# Biospecimen Counts (37,618) | Autopsy Study

Autopsy Study Group	Serum	CSF Fluid	Frozen Tissue	FFPE Slide	FFPE Block	Blood Spot	Stool	Bronchial Cells
Acute	211	218	2,425	1,223	1,223	28	28	27
Post-Acute	1,281	1,298	14,505	7,310	7,355	164	159	163
<b>Total</b>	<b>1492</b>	<b>1516</b>	<b>16930</b>	<b>8533</b>	<b>8578</b>	<b>192</b>	<b>187</b>	<b>190</b>