

NRG Oncology Biospecimen Bank

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NRG Oncology Biospecimen Banks



NRG Oncology Open Trials

5/31/2019	# Open Trials	Target Accrual	Accrued Cases	% To Goal
Brain	4	1,017	738	73%
Breast	4	3,586	2,004	56%
GI	5	1,530	605	40%
GU	4	4,122	2,932	71%
GYN	11	3,669	2,405	66%
H&N	3	1,484	623	42%
Lung	5	1,892	285	15%
Sarcoma	1	46	8	17%
TOTAL	37	17,346	9,600	55%

NRGGB Current Inventory

NRGGB Year1-Year 5 (May 31, 2019)	TOTALS
Total Cases (Patients) with Biospecimens	237,155
Total Biospecimens	3,006,048
Total Unique Cases (Patients) Received Years 1-5	15,704
Total Biospecimens Received Years 1-5	253,525
Total Biospecimens Distributed Years 1-5	79,979

Data Load by NCTN Group into Navigator June 2019

Lead Group	Trials	Specimens
NRG - O	47	475,732
Alliance	35	345,047
SWOG	17	80,619
ECOG-ACRIN	28	64,668
TOTAL	127	966,066

NRGGBB Years 1-5 (2015-2019*)

Biospecimen Distributions by Organ Site

Disease Site	# Trials	# Specimens	# Patients
Brain	12	7,721	1,577
Breast*	6	11,367	6,379
GI	4	4,291	544
GU	11	10,020	2,356
GYN	23	43,398	4,285
H&N	8	3,182	1,136
TOTALS for NRG	63	79,979	16,277

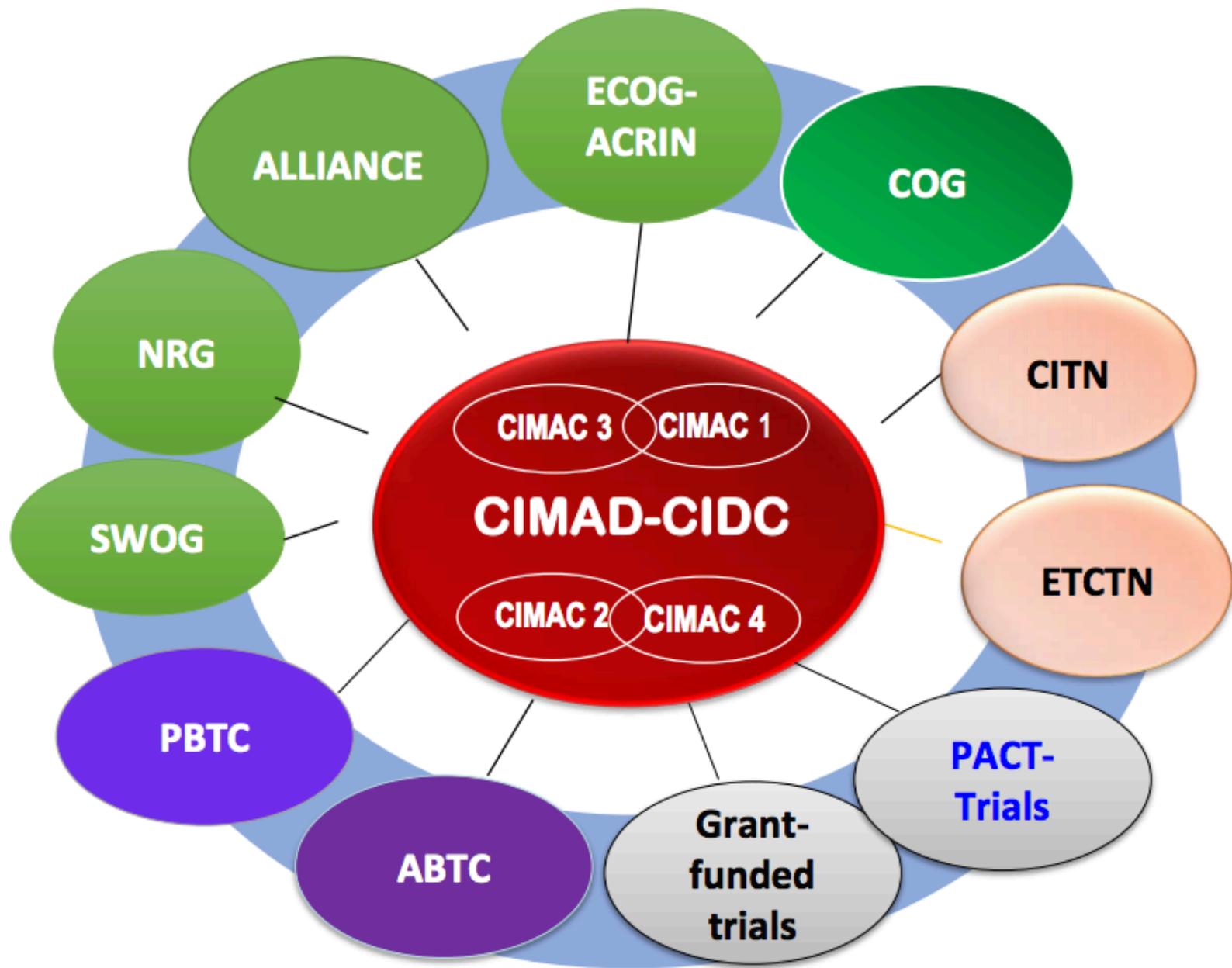
NCI NCTN Navigator Requests

(April 2nd 2018- May 31st, 2019)

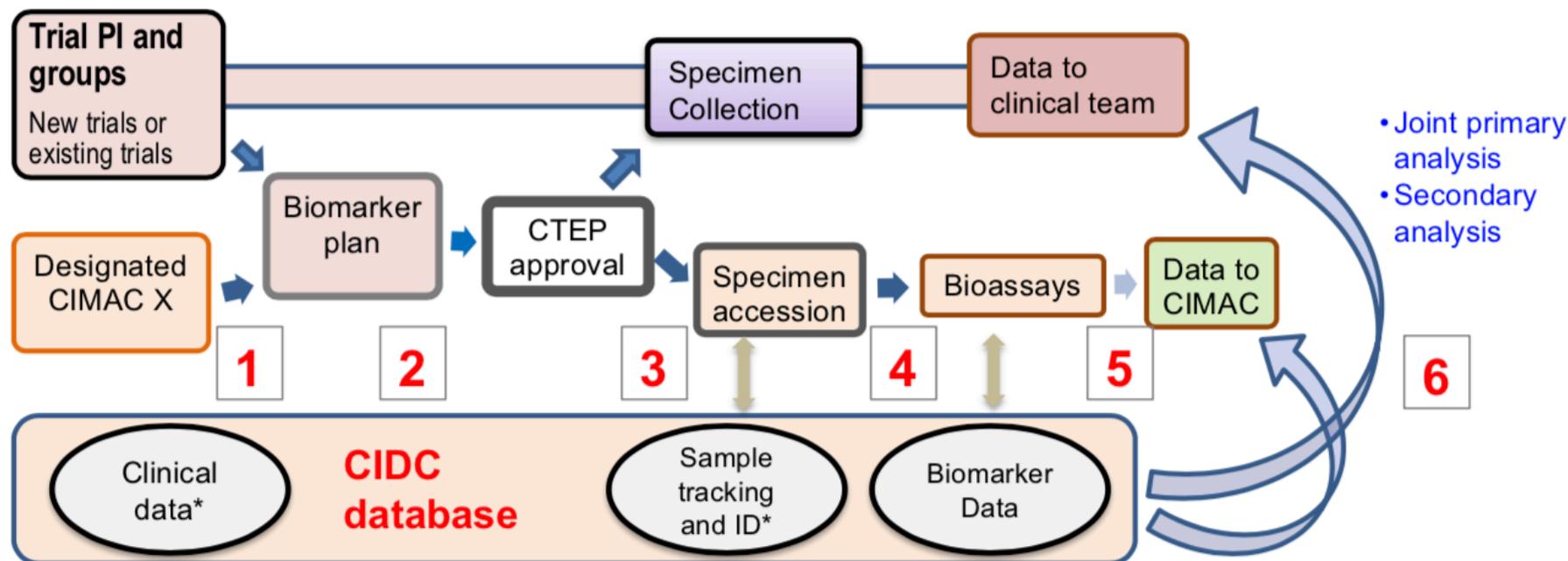
Disease Site	LOI				CCSC Proposal						
	Submitted ¹	Feasibility Pending	Not Feasible	Feasible	Withdrawn by Investigator	Pending Investigator Submission	Submitted	Triage Disapproved	Review Pending	Approved ²	Disapproved
Brain	2	0	1	1	0	0	1	0	1	0	0
Breast	6	0	0	6	0	0	6	1	3	2	0
GYN	9	1	2	6	1	3	2	1	1	0	0
GU	9	0	4	5	0	1	4	1	1	2	0
H&N	5	0	1	4	1	1	2	2	0	0	0
Lung	4	0	1	3	0	1	2	1	1	0	0
Colon	4	0	1	3	0	1	1	0	1	0	0
TOTAL	39	1	10	28	2	7	18	6	8	4	0

¹Includes LOIs re-submitted

²Includes Approval on Hold



Proposed workflow for CIMACs/CIDC with the clinical networks



- 1. Selection of trials**
- 2. Proposal of Biomarker plans** - will be jointly proposed by CIMAC and Clinical investigators. Requires CTEP (PRC) approval.
- 3. Specimen accession** - universal tracking system (across biobanks) under discussion. .
- 4. Database at CIDC** - clinical annotation; bioassay results; and sample tracking system
- 5. Data formats and informatics**
- 6. Data analysis and publication** - Primary analysis: With trial investigators;

CIMAC TRIALS AND NRGBB

- Example of basic CIMAC requirement for NRG Trials:
- Regular FFPE Collection: H&E slide and block
 - Bank cuts and distributes slides for IHC
 - Bank extracts DNA/RNA from slides (extractions should be done by CIMAC to standardize this)
- Streck Tubes- for cell free DNA. 3 Timepoints per study
 - Sites collect, ship to bank, bank processes.
 - Bank distributes specimens to CIMAC
- Heparin Tubes for PBMCs and Plasma. 3 Timepoints per study
 - Sites collect, ship to bank, bank processes
 - Bank distributes specimens to CIMAC. 1 Timepoint per study
- Whole Blood for DNA
 - Sites collect, ship to bank, bank aliquots.
 - Bank distributes specimens to CIMAC