Supplementary Online Content

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This supplementary material has been provided by the authors to give readers additional information about their work.

Term	ClinicalTrials.gov Definition
Clinical Study	A research study involving human volunteers (also called participants) that is
	intended to add to medical knowledge. There are two types of clinical studies:
	interventional studies (also called clinical trials) and observational studies.
Interventional	A type of clinical study in which participants are assigned to groups that
Study (clinical	receive one or more intervention/treatment (or no intervention) so that
trial)	researchers can evaluate the effects of the interventions on biomedical or
,	health-related outcomes. The assignments are determined by the study's
	protocol. Participants may receive diagnostic, therapeutic, or other types of
	interventions.
Observational	A type of clinical study in which participants are identified as belonging to
study	study groups and are assessed for biomedical or health outcomes. Participants
	may receive diagnostic, therapeutic, or other types of interventions, but the
	investigator does not assign participants to a specific interventions/treatment.
ClinicalTrials.gov	The unique identification code given to each clinical study upon registration at
identifier (NCT	<i>ClinicalTrials.gov. The format is "NCT" followed by an 8-digit number (for</i>
number)	<i>example, NCT00000419).</i>
Funder type	Describes the organization that provides funding or support for a clinical study.
	This support may include activities related to funding, design, implementation,
	data analysis, or reporting. Organizations listed as sponsors and collaborators
	for a study are considered the funders of the study.
Sponsor	The organization or person who initiates the study and who has authority and
oponsor	control over the study.
Collaborator	An organization other than the sponsor that provides support for a clinical
	study. This support may include activities related to funding, design,
	implementation, data analysis, or reporting.
Phase	The stage of a clinical trial studying a drug or biological product, based on
	definitions developed by the U.S. Food and Drug Administration (FDA). The
	phase is based on the study's objective, the number of participants, and other
	characteristics. There are five phases: Early Phase 1 (formerly listed as Phase
	0), Phase 1, Phase 2, Phase 3, and Phase 4. Not Applicable is used to describe
	trials without FDA-defined phases, including trials of devices or behavioral
	interventions.
Phase 1	A phase of research to describe clinical trials that focus on the safety of a drug.
	They are usually conducted with healthy volunteers, and the goal is to
	determine the drug's most frequent and serious adverse events and, often, how
	the drug is broken down and excreted by the body. These trials usually involve
	a small number of participants.
Phase 2	A phase of research to describe clinical trials that gather preliminary data on
	whether a drug works in people who have a certain condition/disease (that is,
	the drug's effectiveness). For example, participants receiving the drug may be
	compared to similar participants receiving a different treatment, usually an
	inactive substance (called a placebo) or a different drug. Safety continues to be
	evaluated, and short-term adverse events are studied.
Phase 3	A phase of research to describe clinical trials that gather more information
	about a drug's safety and effectiveness by studying different populations and

eTable 1. Selected terms and definitions used on ClinicalTrials.gov

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	<i>different dosages and by using the drug in combination with other drugs. These studies typically involve more participants.</i>
Phase 4	A phase of research to describe clinical trials occurring after FDA has approved a drug for marketing. They include postmarket requirement and commitment studies that are required of or agreed to by the study sponsor. These trials gather additional information about a drug's safety, efficacy, or optimal use.
Phase Not	Describes trials without FDA-defined phases, including trials of devices or
Applicable	behavioral interventions.

*All definitions transcribed from the ClinicalTrials.gov glossary available at: :

https://clinicaltrials.gov/ct2/about-studies/glossary

Year started	NIH/US Gov	Industry	Other	Total
2000	320	454	1,087	1,861
2001	358	742	1,290	2,390
2002	426	1,358	1,699	3,483
2003	421	1,806	2,531	4,758
2004	552	2,412	3,347	6,311
2005	501	2,855	4,363	7,719
2006	527	3,574	5,186	9,287
2007	413	3,940	6,034	10,387
2008	403	4,344	7,091	11,838
2009	402	4,375	8,016	12,793
2010	457	4,261	8,621	13,339
2011	407	4,397	9,303	14,107
2012	341	4,254	10,291	14,886
2013	355	4,203	11,152	15,710
2014	335	4,533	12,394	17,262
2015	373	4,572	13,566	18,511
2016	350	4,528	14,690	19,568
2017	342	4,370	15,136	19,848
2018	357	4,656	15,473	20,486
2019	383	4,695	16,377	21,455
Total	8,023	70,329	167,647	245,999

eTable 2. Number of trials started by year between 2000 and 2019

	All Trials (N=103,300)		Phase 1-2 (N=39,119)		Phase 3-4 (N=30,017)		Phase N/A (N=34.163)		
Variable	Regression coefficient (95% CI)	P-value	Regression coefficient (95% CI)	P-value	Regression coefficient (95% CI)	P-value	Regression coefficient (95% CI)	P-value	
Year started (every 5 years)	-8.2 (-9.1, -7.3)	<0.001	-2.2 (-2.9, -1.5)	<0.001	-8.8 (-12.3,- 5.3)	<0.001	-4.2 (-7.5, -0.90)	0.01	
Lead sponsor: Industry NIH/U.S. Gov Other	REF -12.7 (-14.9, -10.6) -11.2 (-12.2, -10.2)	<0.001 <0.001	REF -2.5 (-4.0, -1.0) -6.2 (-7.0, -5.4)	<0.001 <0.001	REF -82.7 (-96.4, -69.0) -114.2 (-118.7, -109.7)	<0.001 <0.001	REF -2.2 (-6.6, 2.2) -7.0 (-9.4, -4.7)	0.33 <0.001	
Year*sponsor: Industry NIH/U.S. Gov Other	REF -1.5 (-4.1, 1.0) 3.8 (2.6, 5.0)	0.24 <0.001	REF -3.1 (-5.8, -2.3) -0.5 (-1.5, 0.5)	<0.001 0.3	REF -14.0 (-32.6-2.7) -7.7 (-12.6, -2.7)	<0.097 <0.001	REF -3.4 (-9.1, 2.3) -2.1 (-5.6, 1.4)	0.24 0.23	
Multisite	25.1 (24.2, 26.0)	<0.001	14.3 (13.5, 15.0)	<0.001	63.3 (59.1, 67.6)	<0.001	17.0 (15.4, 18.6)	<0.001	
Randomized	42.3 (41.4, 4.8)	< 0.001	3		94.7 (59.1, 67.6)	<0.001	30.6 (29.0, 32.2)	< 0.001	

eTable 3. Predictors of sample size for completed trials in multivariable regression by phase

¹Robust standard error regression to account for sample size with 95% Confidence Intervals (CI)

²For trials that started before 2015 to allow for sufficient time to completion

³Randomized design not included in model, as this is not a common feature in early-phase (phase 1/2) trial designs.

eTable 4. Anticipated and actual sample sizes for trials started and completed between 2010 through 2019 by lead sponsor and phase

Phase	Funder	N	Anticipateo when Media	d Sample Size 1 started 1n (IQR)	Actual Sa co Mec	mple Size when mpleted lian (IQR)
	US gov't	1.555	66	(36-160)	49	(25-121)
All trials	Industry	29.950	80	(36-232)	61	(28-184)
	Other	51,465	60	(30-150)	55	(26-120
	Total	79,000	68	(32-180)	57	(27-135)
	US gov't	752	50	(30-95)	37	(20-72)
	Industry	9, 834	50	(28-100)	41	(24-84)
Phase 1-2	Other	7,376	40	(20-70)	31	(17-62)
	Total	17,962	45	(24-90)	38	(20-75)
	US gov't	122	190	(80-456)	139	(63-451)
Phase 3-4	Industry	5,906	280	(120-534)	252	(103-519)
	Other	6,653	90	(44-200)	71	(39-151)
	Total	12,667	150	(60-370)	119	(50-315)
	US gov't	553	100	(50-240)	62	(30-192)
Phase N/A	Industry	2,529	60	(30-150)	52	(25-120)
	Other	21,162	72	(38-180)	60	(30-130)
	Total	24,244	72	(36-180)	59	(29-129)





Kaplan-Meier Survival Curve of percent completed (y axis) by time to trial completion (x axis), calculated from start date to primary completion date among completed trials.



eFigure 2. Median time (years) to trial completion for completed trials by lead sponsor and phase



eFigure3. Anticipated versus actual sample size of trials started and completed between 2010 through 2019, by lead sponsor and year

*Archive year: A version of the AACT CTTI static database from each year available (2010-2020) as downloaded and sample sizes were compared between when trial was first registered (anticipated) and when trial was completed (actual). In 2016, AACT CTTI database was converted from Oracle to PostgreSQL, thus gap in enrollment data.

eAppendix. Example postgreSQL code to generate CT.gov registration dataset used for analysis

```
a- Sample query using AACT database
```

```
Server [localhost]: aact-db.ctti-clinicaltrials.org
Database [postgres]: aact
Port [5433]: 5432
Username [postgres]: greshamg
Password for user greshamg:
psql (10.5, server 11.1)
WARNING: psql major version 10, server major version 11.
         Some psql features might not work.
Type "help" for help.
aact=> select count(distinct a.nct_id), a.agency_class, b.phase
                        from sponsors a join studies b
aact->
                           on b.nct_id = a.nct_id
aact->
                                        join calculated_values c
aact->
aact->
                           on c.nct_id=a.nct_id
aact->
aact->
                      where b.overall_status = 'Completed'
aact->
                      and b.study_type = 'Interventional'
                      and extract(year from b.primary_completion_date) between 2006 and 2018
aact->
aact->
                      group by agency_class,
aact->
                      b.phase
aact->
                      order by agency_class,
aact->
                      b.phase
aact->
                      ;
```

b- Code to create AACT registration dataset

```
create table t_cohort1 as
 ( select
   a.nct id
  , a.overall_status
  , case when a.overall status = 'Completed'
                                                                           then 'Completed'
         when a.overall status in ('Terminated', 'Withdrawn', 'Suspended') then 'Stopped'
         when a.overall status in ( 'Recruiting'
                                    , 'Not yet recruiting'
                                   , 'Active, not recruiting'
                                    , 'Enrolling by invitation')
                                                                            then 'Active'
         else a.overall status -- overall status = 'Unknown Status' or null or some new status
   end as overall status grp
  , a.phase
  , case when a.phase in ('N/A') then 'N/A'
        else
                                      'Phase' end as phase_grp_cat
  , case when a.phase in ('Phase 1', 'Early Phase 1', 'Phase 1/Phase 2', 'Phase 2') then 'Phase_1_2'
        when a.phase in ('Phase 2/Phase 3', 'Phase 3', 'Phase 4')
                                                                                     then 'Phase 3 4'
        else a.phase
   end as phase_grp
  , a.study_type
  , b.lead or collaborator
  , b.agency_class
  , case when b.agency class in ('NIH', 'U.S. Fed') then 'US Fed or NIH'
        else b.agency_class
   end as agency class grp
  , start_date
 , extract(year from a.start_date)
                                       as year Started
   , case when extract(year from a.start date) in (2004,2005,2006,2007,2008) then 'Yr 2004 2008'
          when extract(year from a.start_date) in (2009,2010,2011,2012,2013) then 'Yr_2009<sup>2</sup>013'
___
___
          when extract(year from a.start_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018'
--
          else extract(year from a.start_date)::text
---
   end as year started grp
```

<pre>, completion_date = start_date << 0365 than '01</pre>	, s	tart	t_date_type							
<pre>, case view completion_date = start_date > 0165 and completion_date - start_date < 0700 then '01 ymar to 02 years' when completion_date = start_date > 1055 and completion_date - start_date < 1625 then '02 ymars to 03 years' when completion_date = start_date > 1055 and completion_date - start_date < 1626 then '03 ymars to 04 years' when completion_date = start_date > 1826 and completion_date - start_date < 1626 then '04 ymars to 04 years' when completion_date = start_date > 1826 and completion_date - start_date < 1626 then '04 ymars to 06 years' when completion_date = start_date > 1826 and completion_date - start_date < 2191 then '05 ymars to 06 years' when completion_date = start_date > 2191 and completion_date - start_date < 2255 then '06 ymars to 06 years' when completion_date = start_date > 2256 and completion_date - start_date < 2221 then '07 ymars to 06 years' when completion_date = start_date > 2256 and completion_date - start_date < 2221 then '07 ymars to 07 years' when completion_date = start_date > 2367 and completion_date - start_date < 4077 then '10 ymars to 11 years' when completion_date = start_date > 4174 and completion_date - start_date < 4174 then '10 ymars to 11 years' when completion_date = start_date > 4182 and completion_date - start_date < 4182 then '11 ymars to 11 years' when completion_date = start_date > 4184 and completion_date - start_date < 4184 then '12 when completion_date = start_date > 3181 and completion_date - start_date < 5113 then '13 ymars to 15 years' when completion_date = start_date > 5111 and completion_date = start_date < 5478 then '14 ymars to 15 years' when excloseletion_date = start_date > 5111 and completion_date = start_date < 548 then '14 when excloseletion_date = start_date > 5111 and completion_date = start_date < 548 then '14 years to 15 years' when excloseletion_date = start_date > 5111 and completion_date = start_date < 548 then '14 when excloseletion_date = start_date > 5111 and completion_date = start_date < 548 then '14 when excloseletion_date = start_</pre>	, c	ompl	letion_date							1
<pre>when completion_date = start_date > 365 and completion_date = start_date < -030 then '01 years to 02 years' when completion_date = start_date > 1095 and completion_date = start_date <= 1460 then '03 years to 05 years' when completion_date = start_date > 1466 and completion_date = start_date <= 1282 then '04 years to 05 years' when completion_date = start_date > 2191 and completion_date = start_date <= 2191 then '05 when completion_date = start_date > 2191 and completion_date = start_date <= 210 then '04 when completion_date = start_date > 2191 and completion_date = start_date <= 2191 then '05 when completion_date = start_date > 2566 and completion_date = start_date <= 210 then '04 when completion_date = start_date > 2566 and completion_date = start_date <= 2307 then '06 when completion_date = start_date > 2307 and completion_date = start_date <= 3652 then '04 when completion_date = start_date > 2307 and completion_date = start_date <= 3652 then '04 when completion_date = start_date > 2307 and completion_date = start_date <= 4382 then '10 years to 10 years' when completion_date = start_date > 2407 and completion_date = start_date <= 4382 then '11 when completion_date = start_date > 4382 and completion_date = start_date <= 5478 then '12 when completion_date = start_date > 137 and completion_date = start_date <= 5478 then '14 when completion_date = start_date > 1382 and completion_date = start_date <= 5478 then '14 when completion_date = start_date > 1382 and completion_date = start_date <= 5478 then '14 when completion_date = start_date > 13748 and completion_date = start_date <= 543 then '14 when completion_date = start_date > 13748 and completion_date = start_date <= 543 then '15 when completion_date = start_date > 1384 and completion_date = start_date <= 543 then '15 when completion_date = start_date > 1384 and completion_date = start_date <= 543 then '14 when estard(year_from a.completion_date) in (2014, 2015, 2016, 2017, 2018) then '17_2014_2018^2 = when estard(year_from a.completion_date = in (2014, 20</pre>	, c year	ase or	when completion_date - start_date less'					<= 0365	then	'01
<pre>when completion_date = start_date > 0730 and completion_date = start_date <= 1085 then '02 when completion_date = start_date > 1089 then completion_date = start_date <= 1080 then '03 when completion_date = start_date > 1826 and completion_date = start_date <= 1826 then '04 when completion_date = start_date > 1826 and completion_date = start_date <= 2236 then '06 wars to 07 years' when completion_date = start_date > 2321 and completion_date = start_date <= 2231 then '07 wars completion_date = start_date > 2321 and completion_date = start_date <= 2326 then '06 wars to 07 years' when completion_date = start_date > 2321 and completion_date = start_date <= 2321 then '07 wars completion_date = start_date > 2321 and completion_date = start_date <= 3632 then '08 wars completion_date = start_date > 2327 and completion_date = start_date <= 4017 then '10 wears to 17 years' when completion_date = start_date > 4322 and completion_date = start_date <= 4332 then '11 wears to 18 years' when completion_date = start_date > 4342 and completion_date = start_date <= 4478 then '11 wears to 18 years' when completion_date = start_date > 4342 and completion_date = start_date <= 4478 then '12 wears to 18 years' when completion_date = start_date > 112 and completion_date = start_date <= 2434 then '14 wears to 18 years' when exploition_date = start_date > 112 and completion_date = start_date <= 4478 then '14 wears to 18 years' when exploition_date = start_date > 112 and completion_date = start_date <= 2434 then '14 wears to 18 years' when exploition_date = start_date > 1432 and completion_date = start_date <= 2434 then '14 wears to 18 years' when exploition_date = start_date > 1432 and completion_date = start_date <= 2434 then '14 wears to 19 years' when exploition_date = start_date > 1432 and completion_date = start_date <= 2434 then '14 wears to 19 years' when exploition_date = start_date > 1432 and completion_date = start_date <= 2434 then '14 wears to 18 years' when exploition_date = start_date > 1448 then '12 wears to 18 years'</pre>	year	to	when completion_date - start_date 02 years'	> 0365	and	completion_date -	start_date	<= 0730	then	'01
<pre>when completion_date = start_date > 1005 and completion_date = start_date << 186 then '04 when completion_date = start_date > 1260 and completion_date = start_date << 2191 then '05 wars to 0 years' when completion_date = start_date > 1256 and completion_date = start_date << 2191 then '05 wars to 0 years' when completion_date = start_date > 2256 and completion_date = start_date << 2291 then '07 wars to 0 years' when completion_date = start_date > 2256 and completion_date = start_date << 2367 then '08 wars to 0 years' when completion_date = start_date > 3287 and completion_date = start_date << 3682 then '09 wars to 0 years' when completion_date = start_date > 3287 and completion_date = start_date << 3682 then '09 wars to 1 years' when completion_date = start_date > 3327 and completion_date = start_date << 4017 then '10 wars to 1 years' when completion_date = start_date > 3328 and completion_date = start_date << 4382 then '11 when completion_date = start_date > 3328 and completion_date = start_date << 4107 then '10 wars to 1 years' when completion_date = start_date > 4382 and completion_date = start_date << 5113 then '12 wars to 1 years' when completion_date = start_date > 4382 and completion_date = start_date << 5148 then '14 wars to 1 years' when completion_date = start_date > 1313 and completion_date = start_date << 5448 then '14 wars to 1 years' when extractive from a.completion_date ! in (2009,2007,2006,2007,2008) then '17_2009_2003' when extractive from a.completion_date ! in (2009,2007,2010,2011,2017,2013) then '17_2004_2008' when extractive from a.completion_date ! in (2009,2007,2010,2011,2017,2013) then '17_2004_2008' when extractive from a.completion_date ! in (2009,2007,2010,2011,2017,2013) then '17_2004_2003' when extractive from a.completion_date ! in (2009,2007,2010,2011,2017,2013) then '17_2004_2003' when extractive from a.completion_date ! in (2009,2007,2010,2011,2017,2013) then '17_2004_2003' when extractive from a.completion_date ! in (2009,2007,2010,2011,2017,2013) then '17_2</pre>	years	to	when completion_date - start_date 03 years'	> 0730	and	completion_date -	start_date	<= 1095	then	'02
<pre>when completion date - start_date > 1460 and completion date - start_date <- 1826 then '64 years to D6 years' when completion_date - start_date > 2101 and completion_date - start_date <- 2556 then '06 years to D8 years' when completion_date - start_date > 2556 and completion_date - start_date <- 2566 then '06 years to D8 years' when completion_date - start_date > 2521 and completion_date - start_date <- 2621 then '07 when completion_date - start_date > 2521 and completion_date - start_date <- 2621 then '07 when completion_date - start_date > 2521 and completion_date - start_date <- 3652 then '08 years to D8 years' when completion_date - start_date > 3227 and completion_date - start_date <- 3652 then '09 years to 10 years' when completion_date - start_date > 3237 and completion_date - start_date <- 4382 then '11 years to 10 years' when completion_date - start_date > 4352 and completion_date - start_date <- 4748 then '12 years to 10 years' when completion_date - start_date > 4382 and completion_date - start_date <- 4748 then '12 years to 10 years' when completion_date - start_date > 3478 and completion_date - start_date <- 5478 then '14 years to 10 years' when completion_date - start_date > 3478 and completion_date - start_date <- 5478 then '14 years to 16 years' when completion_date - start_date > 3478 and completion_date - start_date <- 5483 then '15 years to 16 years' when extract(year from a.completion_date) in (2004,2005,2007,2000) then 'Yr_2004,2008</pre>	years	to	<pre>when completion_date - start_date 04 years'</pre>	> 1095	and	completion_date -	start_date	<= 1460	then	'03
<pre>when completion date - start_date > 1826 and completion_date - start_date <- 2191 then '05 when completion_date - start_date > 2191 and completion_date - start_date <- 2556 then '06 years to 07 years' when completion_date - start_date > 2556 and completion_date - start_date <- 2921 then '07 years to 05 years' when completion_date - start_date > 2321 and completion_date - start_date <- 3267 then '08 years to 05 years' when completion_date - start_date > 2321 and completion_date - start_date <- 3652 then '09 years to 11 years' when completion_date - start_date > 3552 and completion_date - start_date <- 4017 then '10 years to 11 years' when completion_date - start_date > 4524 and completion_date - start_date <- 416 then '12 wears to 12 years' when completion_date - start_date > 4382 and completion_date - start_date <- 416 then '12 wears to 13 years' when completion_date - start_date > 4748 and completion_date - start_date <- 5113 then '13 wears to 14 years' when completion_date - start_date > 5478 and completion_date - start_date <- 5478 then '14 years to 15 years' when exception_date - start_date):::ext and as exception_date - start_date > 5478 and completion_date - start_date <- 5478 then '14 years to 16 years' when exception_date - start_date):::ext and as exception_date to 's and then':::ext and as exception_date to 's 's 's''''''''''''''''''''''''''''</pre>	years	to	<pre>when completion_date - start_date 05 years'</pre>	> 1460	and	completion_date -	start_date	<= 1826	then	04
<pre>when completion_date - start_date > 2191 and completion_date - start_date <= 2556 then '06 when completion_date - start_date > 2556 and completion_date - start_date <= 221 then '07 when completion_date - start_date > 2221 and completion_date - start_date <= 2221 then '07 when completion_date - start_date > 3287 and completion_date - start_date <= 3652 then '09 when completion_date - start_date > 3652 and completion_date - start_date <= 4617 then '10 when completion_date - start_date > 4017 and completion_date - start_date <= 4782 then '19 wars to 12 years' when completion_date - start_date > 4362 and completion_date - start_date <= 4782 then '11 wars to 12 years' when completion_date - start_date > 4362 and completion_date - start_date <= 5113 then '12 years to 13 years' when completion_date - start_date > 5113 and completion_date - start_date <= 5113 then '13 wars to 14 years' when completion_date - start_date > 5173 and completion_date - start_date <= 5478 then '14 wars to 15 years' when completion_date - start_date > 5173 and completion_date - start_date <= 5483 then '15 wars to 16 years' when extract(year from a.completion_date) in (2004,2005,2007,2009) then 'Yr_2004,2008' , extract(year from a.completion_date) in (2004,2012,2012,2013) then 'Yr_2014_2013' when extract(year from a.completion_date) in (2004,2012,2012,2013) then 'Yr_2014_2013' when extract(year from a.completion_date) in (2004,2012,2012,2013) then 'Yr_2014_2013' when extract(year from a.completion_date) in(2004,2012,2012,2013) then 'Yr_2014_2013' when extract(year from a.completion_date) in(2004,2012,2012,2013,2016,2017,2018) then 'Yr_2014_20</pre>	vears	to	when completion_date - start_date 06 years'	> 1826	and	completion_date -	start_date	<= 2191	then	' 05
<pre>when completion_date - start_date > 2556 and completion_date - start_date <- 2221 then '07 when completion_date - start_date > 2221 and completion_date - start_date <- 3287 then '08 when completion_date - start_date > 3227 and completion_date - start_date <- 3652 then '09 years to 10 years' when completion_date - start_date > 3652 and completion_date - start_date <- 4017 then '10 when completion_date - start_date > 4017 and completion_date - start_date <- 4382 then '11 years to 12 years' when completion_date - start_date > 4382 and completion_date - start_date <- 4382 then '11 years to 12 years' when completion_date - start_date > 4382 and completion_date - start_date <- 5113 then '12 years to 13 years' when completion_date - start_date > 5113 and completion_date - start_date <- 5113 then '13 when completion_date - start_date > 5178 and completion_date - start_date <- 5478 then '14 years to 12 years' years to 12 years' when completion_date - start_date > 5478 and completion_date - start_date <- 5433 then '15 years to 12 years' when completion_date - start_date > 5478 and completion_date - start_date <- 5433 then '15 years to 12 years' when completion_date - start_date > 5478 and completion_date - start_date <- 5433 then '15 years' to 12 years' when extract(year_from a.completion_date) in (2004,2005,2007,2008,2007,2008) then 'yr_2004,2008' when extract(year_from a.completion_date) in (2004,2005,2007,2008,2007,2008) then 'yr_2004,2008' when extract(year_from a.completion_date) in (2004,2005,2007,2008,2007,2008) then 'Yr_2004,2008' when extract(year_from a.completion_date) in (2004,2005,2007,2008) then 'Yr_2004,2008' when extract(year_from a.completion_date) in (2004,2005,2007,2008) then 'Yr_2004,2008' when extract(year_from a.completion_date) in (2004,2005,2007,2008) then 'Yr_2004,2008' when extract(year_from a.completion_date) in (2004,2005,2007,2008) then 'Yr_2004,2008' when extract(year_from a.completion_date) in (</pre>	vears	to	when completion_date - start_date 07 years'	> 2191	and	completion_date -	start_date	<= 2556	then	' 06
<pre>when completion date - start_date > 2921 and completion_date - start_date <- 3287 then '08 years to 10 years' when completion_date - start_date > 3652 and completion_date - start_date <- 4017 then '10 years to 11 years' when completion_date - start_date > 4017 and completion_date - start_date <- 4382 then '11 years to 12 years' when completion_date - start_date > 4382 and completion_date - start_date <- 4748 then '12 years to 12 years' when completion_date - start_date > 4382 and completion_date - start_date <- 4748 then '12 years to 13 years' years to 13 years' when completion_date - start_date > 4748 and completion_date - start_date <- 5713 then '13 years to 13 years' years to 13 years' years to 13 years' when completion_date - start_date > 5178 and completion_date - start_date <- 5478 then '14 years to 13 years' i alse (completion_date - start_date) as year Completed , case when extract/year from a.completion_date) in (2004,2005,2006,2007,2008) then 'yr_2004,2008' when extract/year from a.completion_date) in (2004,2005,2006,2007,2008) then 'yr_2004,2008' when extract/year from a.completion_date) in (2004,2015,2016,2017,2018) then 'yr_2014_2018' when extract/year from a.completion_date yrea' primary_completion_date yrea primary_completion_date yrea primary_completion_date yrea primary_completion_date_type primary_completion_date_t</pre>	vears	to	when completion_date - start_date 08 years'	> 2556	and	completion_date -	start_date	<= 2921	then	' 07
<pre>vhon completion_date - start_date > 3287 and completion_date - start_date < 3652 then '09 years to 11 years' when completion_date - start_date > 3652 and completion_date - start_date <- 4017 then '10 years to 11 years' when completion_date - start_date > 4017 and completion_date - start_date <- 4382 then '11 when completion_date - start_date > 4382 and completion_date - start_date <- 4748 then '12 when completion_date - start_date > 4382 and completion_date - start_date <- 4748 then '12 when completion_date - start_date > 4748 and completion_date - start_date <- 5113 then '13 when completion_date - start_date > 5113 and completion_date - start_date <- 5478 then '14 when completion_date - start_date > 5113 and completion_date - start_date <- 5478 then '14 when completion_date - start_date > 5113 and completion_date - start_date <- 5843 then '15 years to 16 years' else (completion_date - start_date):itext end as time to completion_date in (2004,2005,2006,2007,2008) then 'yr_2004_2008' when extract(year from a.completion_date) in (2004,2012,2012,2013) then 'yr_2004_2013' when extract(year from a.completion_date) in (2004,2012,2012,2013) then 'yr_2014_2018' end sy year_completed_grp , completion_date type , primary_completion_date ype , completion_date type , primary_completion_date = start_date exists' when enrollment > 0 then 'enrollment data exists' when enrollment > 10 and enrollment <= 50 then 'enrollment 101 to 0550' when enrollment > 10 and enrollment <= 50 then 'enrollment 101 to 0550' when enrollment > 10 and enrollment <= 100 then 'enrollment 101 to 0550' when enrollment > 10 and enrollment <= 100 then 'enrollment 101 to 0550' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0550' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0550' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0550' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0550' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0550' w</pre>	vears	to	when completion_date - start_date	> 2921	and	completion_date -	start_date	<= 3287	then	' 08
<pre>years to 10 years when completion_date - start_date > 3652 and completion_date - start_date <- 4017 then '10 years to 11 years' years to 12 years' years to 12 years' years to 13 years' years to 13 years' years to 14 years' years to 14 years' years to 15 years' years to 14 years' years to 14 years' years to 15 years' years to 16 years' else (completion_date - start_date > 5478 and completion_date - start_date <- 5478 then '14 years to 15 years' years to 15 years' years to 16 years' else (completion_date - start_date):text end as time to completion_date - start_date):text end as time to completion_date in (2004,2005,2006,2007,2003) then 'Yr_2004_2003' when extract(year from a.completion_date) in (2004,2010,2011,2012,2013) then 'Yr_2004_2013' when extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' end as year_completed_grp ,completion_date type ,primary_completion_date type , primary_completion_date type , primary_completion_date type , earollment , case when enrollment > 0 then 'enrollment_data exists' when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0500' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0500' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0500' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0500' when enrollment > 100 and enrollment <= 100 then 'enrollment 101 to 0500' when enrollment > 100 and enrollment <= 100 then 'enrollment over 1000' when enrollment > 100 and enrollment <= 100 then 'enrollment over 1000' when enrollment > 100</pre>	years	+ 0	when completion_date - start_date	> 3287	and	completion_date -	start_date	<= 3652	then	' 09
<pre>years to 11 years when completion_date - start_date > 4017 and completion_date - start_date <= 4382 then '11 years to 12 years' when completion_date - start_date > 4382 and completion_date - start_date <= 4748 then '12 years to 13 years' when completion_date - start_date > 4748 and completion_date - start_date <= 5113 then '13 years to 14 years' when completion_date - start_date > 5113 and completion_date - start_date <= 5478 then '14 years to 15 years' else (completion_date - start_date):text end as time_to_completion_date) as year_Completed , case when extract(year from a.completion_date) in (2004,2005,2006,2007,2008) then 'Yr_2004_2008' when extract(year from a.completion_date) in (2004,2010,2011,2012,2013) then 'Yr_2014_2019' when extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2019' use extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2019' use extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2019' end as year_completed_date , results_first_posted_date , results_first_posted_date , results_first_posted_date , results_first_posted_date , case when enrollment > 0 then 'enrollment data exists' when enrollment is null then 'enrollment <= 100 then 'enrollment 001 to 0050' when enrollment > 100 and enrollment <= 100 then 'enrollment 501 to 1000' when enrollment > 500 and enrollment <= 100 then 'enrollment 501 to 1000' when enrollment > 500 and enrollment <= 100 then 'enrollment 501 to 1000' when enrollment > 500 and enrollment <= 100 then 'enrollment 501 to 1000' when enrollment > 500 and enrollment <= 100 then 'enrollment 501 to 1000' when enrollment > 00 and enrollment <= 100 then 'enrollment 501 to 1000' when e</pre>	years	LO	when completion_date - start_date	> 3652	and	completion_date -	start_date	<= 4017	then	'10
<pre>years to 12 years' when completion_date - start_date > 4382 and completion_date - start_date <= 4748 then '12 years to 13 years' when completion_date - start_date > 4748 and completion_date - start_date <= 5113 then '13 years to 14 years' when completion_date - start_date > 5113 and completion_date - start_date <= 5478 then '14 years to 15 years' else (completion_date - start_date):itext end as time_to_completion_date) as year_completed , case when extract(year from a.completion_date) in (2004,2005,2006,2007,2008) then 'Yr_2004_2008' when extract(year from a.completion_date) in (2004,2012,0212,2012,012) then 'Yr_2014_2018' when extract(year from a.completion_date) in (2004,2015,2016,2017,2018) then 'Yr_2014_2018' when extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' ease when extral_text(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' ease when extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' ease when extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' ease extract(year from a.completion_date in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' </pre>	years	το	when completion_date - start_date	> 4017	and	completion_date -	start_date	<= 4382	then	'11
<pre>years to 13 years' when completion_date - start_date > 4748 and completion_date - start_date <= 5113 then '13 years to 14 years' when completion_date - start_date > 5113 and completion_date - start_date <= 5478 then '14 years to 15 years' else (completion_date - start_date):text end as time_to_completion_date - start_date):text end as time_to_completion_date is year_completed , case when extract(year from a.completion_date) in (2004,2005,2006,2007,2008) then 'Yr_2004_2008' when extract(year from a.completion_date) in (2004,2005,2016,2017,2018) then 'Yr_2014_2018' when extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' else extract(year from a.completion_date):itext end as year_completion_date type , primary_completion_date type , primary_completion_date type , results_first_posted_date , results_first_posted_date , results_first_posted_date , results_first_posted_date type , case when enrollment > 0 then 'enrollment data exists' when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 50 then 'enrollment 01 to 0500' when enrollment > 10 and enrollment <= 50 then 'enrollment 51 to 1000' when enrollment > 10 and enrollment <= 50 then 'enrollment 51 to 1000' when enrollment > 10 and enrollment <= 100 then 'enrollment 51 to 1000' when enrollment > 100 and enrollment <= 100 then 'enrollment 51 to 1000' when enrollment > 100 then 'enrollment over 1000' when enrollment > 100 then 'enrollment over 1000' when c.allocation is null e.allocation = 'Non-Randomized', 'Random Sample') then 'Random' else c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation = 'Non-Randomized'</pre>	years	to	12 years' when completion_date - start_date	> 4382	and	completion_date -	start_date	<= 4748	then	'12
<pre>years to 14 years' when completion_date - start_date > 5113 and completion_date - start_date <= 5478 then '14 years to 15 years' when completion_date - start_date > 5478 and completion_date - start_date <= 5843 then '15 years to 16 years' else (completion_date - start_date)::text end as time_to_completion_date) as year_Completed </pre>	years	to	13 years' when completion_date - start_date	> 4748	and	completion_date -	start_date	<= 5113	then	'13
<pre>years to 15 years' when completion_date - start_date > 5478 and completion_date - start_date <= 5843 then '15 years to 16 years' else (completion_grp , extract(year from a.completion_date) in (2004,2005,2006,2007,2008) then 'Yr_2004_2008' when extract(year from a.completion_date) in (2009,2010,2011,2012,2013) then 'Yr_2009_2013' when extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' else extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' else extract(year from a.completion_date):itext else extract(year from a.completion_date):itext else extract(year from a.completion_date):itext end as year_completed_grp , completion_date_type , last_update_submitted_date , results_first_posted_date , results_first_posted_date_type , enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment is null then 'enrollment data zero' when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 100 then 'enrollment 01 to 0050' when enrollment > 50 and enrollment <= 50 then 'enrollment 15 to 0100' when enrollment > 50 and enrollment <= 100 then 'enrollment 05 to 0100' when enrollment > 50 and enrollment <= 100 then 'enrollment 05 to 0100' when enrollment > 50 and enrollment <= 100 then 'enrollment 05 to 0100' when enrollment > 50 and enrollment <= 100 then 'enrollment 05 to 0100' when enrollment > 50 and enrollment <= 1000 then 'enrollment 05 to 0100' when enrollment > 100 then 'enrollment over 1000' end as enrollment > 100 and enrollment <= 100 then 'enrollment 05 to 1000' when c.allocation is null then '(null)' when c.allocation is null then '(null)' when c.allocation is null then 'Non-Random' else c.allocation</pre>	years	to	14 years' when completion_date - start_date	> 5113	and	completion_date -	start_date	<= 5478	then	'14
<pre>years to 16 years' else (completion_date - start_date)::text end as time_to_completion_date) as year_Completed , case when extract(year from a.completion_date) in (2004,2005,2006,2007,2008) then 'Yr_2004_2008' when extract(year from a.completion_date) in (2004,2015,2016,2017,2018) then 'Yr_2004_2008' else extract(year from a.completion_date) in (2014,2015,2016,2017,2018) then 'Yr_2014_2018' end as year_completed_grp completion_date_type primary_completion_date_type primary_completion_date_type results_first_posted_date_type results_first_posted_date_type enrollment case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data null' else enrollment; text end as enrollment_grp case when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 50 and enrollment <= 50 then 'enrollment 051 to 0100' when enrollment > 100 dhenrollment <= 100 then 'enrollment 501 to 1000' when enrollment > 100 and enrollment <= 100 then 'enrollment over 1000' when enrollment > 100 then 'enrollment over 1000' when enrollment > 100 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped c.allocation is null then 'Non-Randomized', 'Random Sample') then 'Random' when c.allocation is null ('Randomized', 'Random Sample') then 'Non-Random' else c.allocation is null ('Bandomized', 'Random Sample') then 'Non-Rando</pre>	years	to	15 years' when completion_date - start_date	> 5478	and	completion_date -	start_date	<= 5843	then	'15
<pre>end as time_to_completion_grp extract(year from a.completion_date) as year_Completed </pre>	years	to	<pre>16 years' else (completion_date - start_date</pre>)::text						
<pre>, extract(year from a.completion_date) as year_Completed , case when extract(year from a.completion_date) in (2004,2005,2006,2007,2008) then 'Yr_2004_2008'</pre>	е	nd	as time_to_completion_grp	~						
<pre></pre>	, e	xtra	act(year from a.completion_date) as	year_C	ompi	eted	2007 2009	+hop IVm	2004	20001
<pre>when extract(year from a.completion_date) in (2004,2015,2016,2017,2018) then 'Yr_2014_2018' else extract(year from a.completion_date) ::text end as year_completed_grp , completion_date_type , primary_completion_date type , last_update_submitted_date , results_first_posted_date_type , enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment = 0 then 'enrollment data zero' when enrollment > 0 and enrollment data null' else enrollment::text end as enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 0 and enrollment <= 50 then 'enrollment 051 to 0100' when enrollment > 0 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 100 then 'enrollment over 1000' when enrollment > 100 and enrollment <= 1000 then 'enrollment over 1000' when enrollment > 100 and enrollment <= 1000 then 'enrollment over 1000' when c.allocation is null then '(null)' when c.allocation is null then '(null)' when c.allocation is null then 'Non-Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation_grp , c.masking , case when c.masking in (@ 2020 Gresham G et al. JAMA Network Open</pre>	′	Cas	when extract (year from a complet	ion_dat	e) i	n (2004,2005,2006 n (2009,2010,2011	2012 2013)	then 'Yr	2004_	2008
<pre>else extract(year from a.completion_date)::text end as year_completion_gate ; completion_date_type ; primary_completion_date_type ; last_update_submitted_date ; results_first_posted_date_type ; enrollment ; case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment = 0 then 'enrollment data zero' when enrollment = 0 then 'enrollment data null' else enrollment::text end as enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 50 and enrollment <= 50 then 'enrollment 051 to 0100' when enrollment > 50 and enrollment <= 500 then 'enrollment 051 to 0100' when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 1000' when enrollment > 500 and enrollment <= 100 then 'enrollment 50 to 1000' when enrollment > 1000 then 'enrollment over 1000' when callocation is null when c.allocation is null when c.allocation = 'Non-Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation = ('Ann-Randomized') then 'Non-Random' when c.masking in (@ 2020 Gresham G et al. JAMA Network Open </pre>			when extract(year from a.complet	ion dat	e) i	n (2014,2015,2016	,2012,2013)	then 'Yr	2005	2013
<pre> end as year_completed_grp completion_date_type primary_completion_date_type ; last_update_submitted_date ; results_first_posted_date_type ; enrollment ; case when enrollment > 0 then 'enrollment data exists' when enrollment is null then 'enrollment data zero' when enrollment is null then 'enrollment data null' else enrollment::text end as enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 50 then 'enrollment 051 to 0100' when enrollment > 0 and enrollment <= 50 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 500 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 500 then 'enrollment 501 to 1000' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_grp , why_stopped ; c.allocation , case when c.allocation is null then '(null)' when c.allocation = 'Non-Randomized' then 'Non-Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation_grp ; c.masking ; case when c.masking in (</pre>			else extract(vear from a.complet	ion dat	e)::	text	, , ,			
<pre>, completion_date_type</pre>		er	nd as year completed grp		-,					
<pre>, primary_completion_date , primary_completion_date_type , last_update_submitted_date , results_first_posted_date_type , enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment is null then 'enrollment data null' else enrollment_grp , case when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 50 and enrollment <= 100 then 'enrollment 101 to 0500' when enrollment > 50 and enrollment <= 100 then 'enrollment 101 to 0500' when enrollment > 50 and enrollment <= 100 then 'enrollment 501 to 1000' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment_count_grp , why_stopped , c.allocation else c.allocation is null then '(null)' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (@ 2020 Gresham G et al. JAMA Network Open</pre>	, c	ompl	letion date type							
<pre>, primary_completion_date_type , last_update_submitted_date , results_first_posted_date_type , enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment is null the 'enrollment data null' else enrollment_grp , case when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 50 then 'enrollment 051 to 0100' when enrollment > 50 and enrollment <= 500 then 'enrollment 051 to 0100' when enrollment > 500 and enrollment <= 500 then 'enrollment 501 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 0100' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 0100' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 0100' when enrollment > 000 and enrollment <= 1000 then 'enrollment 501 to 0100' when enrollment > 000 and enrollment <= 1000 then 'enrollment 501 to 0100' when enrollment count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (@ 2020 Gresham G et al. JAMA Network Open </pre>	, p	rima	ary completion date							
<pre>, last_update_submitted_date , results_first_posted_date , results_first_posted_date_type , enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment is null then 'enrollment data null' else enrollment:rtext end as enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 50 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 051 to 0100' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>	, p	rima	ary completion date type							
<pre>, results_first_posted_date , results_first_posted_date_type , enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment is null then 'enrollment data null' else enrollment::text end as enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 50 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation = 'Non-Randomized', 'Random Sample') then 'Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>	, 1	ast	update submitted date							
<pre>, results_first_posted_date_type , enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment is null then 'enrollment data null' else enrollment_grp , case when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 500 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation = 'Non-Randomized', 'Random Sample') then 'Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (@ 2020 Gresham G et al. JAMA Network Open </pre>	, r	esul								
<pre>, enrollment , case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment is null then 'enrollment data null' else enrollment::text end as enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 0 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 100 then 'enrollment over 1000' end as enrollment_count_grp , why stopped , c.allocation is null then '(null)' when c.allocation is null then '(null)' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>	, r	esul	lts_first_posted_date_type							
<pre>, case when enrollment > 0 then 'enrollment data exists' when enrollment = 0 then 'enrollment data zero' when enrollment is null then 'enrollment data null' else enrollment_grp , case when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 500 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation is null then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>	, e	nrol	llment							
<pre>when enrollment is null then 'enrollment data null' else enrollment::text end as enrollment_grp , case when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 100 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 100 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (© 2020 Gresham G et al. JAMA Network Open </pre>	, c	ase	when enrollment > 0 then 'enro when enrollment = 0 then 'enro	llment llment	data data	a exists' a zero'				
<pre>end as enrollment_grp , case when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then 'enrollment 'null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>			when enrollment is null then 'enro	llment	data	a null'				
<pre>clase when enrollment > 0 and enrollment <= 50 then 'enrollment 001 to 0050' when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>		end	as enrollment grp							
<pre>when enrollment > 50 and enrollment <= 100 then 'enrollment 051 to 0100' when enrollment > 100 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (© 2020 Gresham G et al. JAMA Network Open </pre>		ase	when enrollment > 0 and enrollm	ent <=	50) then 'enrollmen	t 001 to 005	0'		
<pre>when enrollment > 100 and enrollment <= 500 then 'enrollment 101 to 0500' when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case</pre>	, 0	abe	when enrollment > 50 and enrollm	ent <=	100) then 'enrollmen	t 051 to 010	0'		
<pre>when enrollment > 500 and enrollment <= 1000 then 'enrollment 501 to 1000' when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case</pre>			when enrollment > 100 and enrollm	ent <=	500) then 'enrollmen	t 101 to 050	0'		
<pre>when enrollment > 1000 then 'enrollment over 1000' end as enrollment_count_grp , why_stopped , c.allocation , case</pre>			when enrollment > 500 and enrollm	ent <=	1000) then 'enrollmen	t 501 to 100	0'		
<pre>end as enrollment_count_grp , why_stopped , c.allocation , case</pre>			when enrollment > 1000			then 'enrollmen	t over 100	0'		
<pre>, why_stopped , c.allocation , case when c.allocation is null then '(null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (© 2020 Gresham G et al. JAMA Network Open</pre>		end	as enrollment count grp				0 0			
<pre>, c.allocation , case when c.allocation is null</pre>	, w	hy s	stopped							
<pre>, case when c.allocation is null then '(null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>	, c	.all	location							
<pre>when c.allocation is null then '(null)' when c.allocation in ('Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>	, c	ase								
<pre>when c.allocation in ('Randomized', 'Random Sample') then 'Random' when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>			when c.allocation is null			then '(n	ull)'			
<pre>when c.allocation = 'Non-Randomized' then 'Non-Random' else c.allocation end as allocation_grp , c.masking , case when c.masking in (</pre>			when c.allocation in ('Randomized	', 'Ran	dom	Sample') then 'Ra	.ndom'			
else c.allocation end as allocation_grp , c.masking , case when c.masking in (© 2020 Gresham G et al. JAMA Network Open			when c.allocation = 'Non-Randomi	zed'		then 'No	n-Random'			
end as allocation_grp , c.masking , case when c.masking in (© 2020 Gresham G et al. JAMA Network Open			else c.allocation							
, c.masking, case when c.masking in (, case when c.masking in (© 2020 Gresham G et al. JAMA Network Open		end	as allocation_grp							
, case when c.masking in (© 2020 Gresham G et al. <i>JAMA Network Open</i>	, c	.mas	sking							
© 2020 Gresham G et al. JAMA Network Open	, c	ase	when c.masking in (
						© 2020	Gresham G et	t al. JAMA	Netwo	ork Open.

```
'Triple'
              'Ouadruple'
              'Single'
           ,
              'Double'
           ) then 'Masked 1/2/3/4'
           else c.masking
           end as masking grp
  , d.were results reported
  , d.months_to_report_results
  , d.has single facility
  , f.number of facilities
                                            then 'facilities data exists'
  , case when f.number_of_facilities > 0
         when f.number_of_facilities is null then 'facilities data null'
else f.number_of_facilities::text
     end as facilities grp
                                          0 and f.number of facilities <= 1 then 'facilities
   case when f.number of facilities >
001'
                                         1 and f.number of facilities <= 10 then 'facilities 002 to
         when f.number_of_facilities >
010'
         when f.number of facilities > 10 and f.number of facilities <= 100 then 'facilities 011 to
100
         when f.number of facilities > 100
                                                                                 then 'facilities
                                                                                                      over
100'
      end as facilities count grp
  , g.gender
  , case when g.gender = 'Female'
                                           then 'Female Only'
         when g.gender in ('Male', 'All') then 'Male / All'
when (g.gender is null or g.gender = '') then 'gender data null or blank'
         else g.gender
     end as gender_grp
  , i.number of interventions
                                   as number_of_interventions
   i.number_of_intervention_types as number_of_intervention_types
  , i.intervention type list::text as intervention type list
  , case
         when
                   lower(i.intervention_type_list::text) like '%null%'
              and i.number of intervention types = 1 then '(null)'
                  lower(i.intervention_type_list::text) like '%drug%'
         when
              and i.number of intervention types = 1
                                                          then 'Drug'
                 lower(i.intervention_type_list::text) like '%drug%'
         when
                                                          then 'Drug and Other'
             and i.number_of_intervention_types > 1
                 lower(i.intervention_type_list::text) not like '%drug%'
         when
                                                          then 'Other'
         else i.intervention_type_list::text
         end as intervention types grp
  , bcc.number of browse conditions
                                          as number of browse conditions
                                          as mesh_term_list
  , bcc.mesh_term_list
  , case
                                                       is null then '(null)'
         when
                  lower(bcc.mesh_term_list::text)
         when
                  lower(bcc.mesh term list::text)
                                                       like '%carcinoma%'
           or
                  lower(bcc.mesh term list::text)
                                                       like '%leukemia%'
                                                       like '%neoplasm%'
                  lower(bcc.mesh term list::text)
           or
           or
                  lower(bcc.mesh_term_list::text)
                                                       like '%cancer%'
                                                       like '%lymphoma%'
           or
                  lower(bcc.mesh_term_list::text)
                                                                              then 'Cancer'
                    lower(bcc.mesh_term_list::text)
                                                         like '%coronary%'
           when
                    lower(bcc.mesh_term_list::text)
                                                         like '%lung%'
                                                                                then 'Heart/Lung'
            or
                                                        like '%hiv%'
    ___
          when
                   lower(bcc.mesh term list::text)
                                                                               then 'HIV'
                                                        like '%kidney%'
                                                                               then 'Kidney'
          when
                   lower(bcc.mesh_term_list::text)
                                                        like '%stroke%'
                                                                               then 'Stroke'
    _ _
          when
                   lower(bcc.mesh_term_list::text)
                                                        like '%depressi%'
    ___
          when
                   lower(bcc.mesh term list::text)
                                                                               then 'Depression'
                                                                               then 'Diabetes'
                                                        like '%diabetes%'
                   lower(bcc.mesh_term_list::text)
    ___
          when
                                                        like '%arthrit%'
    _ _
                   lower(bcc.mesh term list::text)
                                                                               then 'Arthritis'
          when
                   lower(bcc.mesh_term_list::text)
    ___
                                                        like '%infection%'
                                                                               then 'Infection'
          when
                         'Other'
              else
    end
                                          as mesh_term_list_grp
  , cc.number of conditions
  , cc.name_list as conditions_name_list
  , case
          when
                   lower(cc.name list::text)
                                                  is null
                                                             then '(null)'
                                                                       then 'Healthy'
          when
                   lower(cc.name_list::text)
                                                  like '%healthy%'
                                                  like '%carcinoma%'
          when
                   lower(cc.name list::text)
                                                 like '%leukemia%'
                   lower(cc.name list::text)
            or
                                                                   © 2020 Gresham G et al. JAMA Network Open.
```

```
lower(cc.name_list::text) like '%neoplasm%'
lower(cc.name_list::text) like '%cancer%'
lower(cc.name_list::text) like '%lymphoma%' then 'Cancer'
             or
            or
            or
                 'Other'
           else
     end
                                           as conditions name list grp
  from studies a
           join sponsors b on
           a.nct_id = b.nct_id
           join designs c on
           a.nct id = c.nct id
           join calculated values d on
           a.nct_id = d.nct_id
 left outer
           join facilities counts f on
           a.nct_id = f.nct_id
           join eligibilities g on
           a.nct_id = g.nct_id
 left outer
           join intervention_type_lists i on
           a.nct_id = i.nct_id
 left outer
           join browse_conditions_counts bcc on
           a.nct_id = bcc.nct_id
 left outer
           join conditions_name_lists cc on
           a.nct_id = cc.nct_id
 where b.lead_or_collaborator = 'lead'
 -- and overall status = 'Completed'
 and study_type = 'Interventional'
 -- and (
              extract(year from start_date)
                                                  between 2004 and 2018
 ___
       )
)
;
alter table t_cohort1
 add primary key (nct id);
vacuum full t_cohort1 ;
```