ClinicalTrials.gov

NIH National Library of Medicine
National Center for Biotechnology Information

Trends and Charts on Registered Studies

ClinicalTrials.gov currently lists 511,501 studies with locations in all 50 States and in 223 countries.

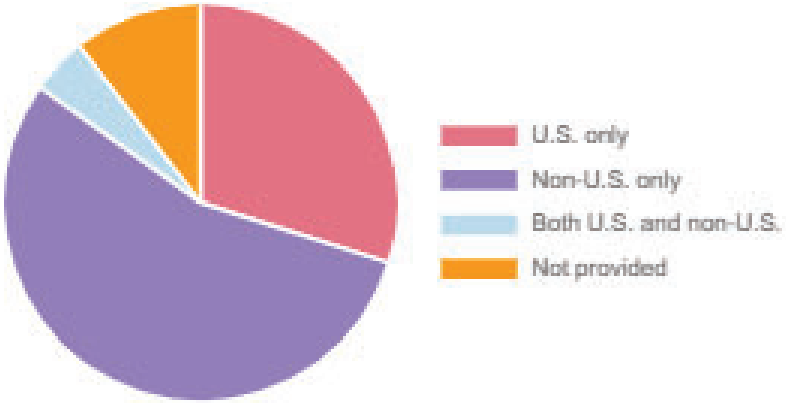
As of March 2021, ClinicalTrials.gov receives about 4.5 million visitors monthly.

Locations of registered studies

The chart below shows the distribution of locations for all studies registered on ClinicalTrials.gov.

Percentage of registered studies by location (as of 2024-10-08)

Total of 511,501 studies



Location	Number of Registered Studies and Percentage of Total (as of 2024-10-08)
U.S. only	152,972 (30%)
Non-U.S. only	281,354 (55%)

Feedback

Amgen Exhibit 1048
Amgen v. BMS

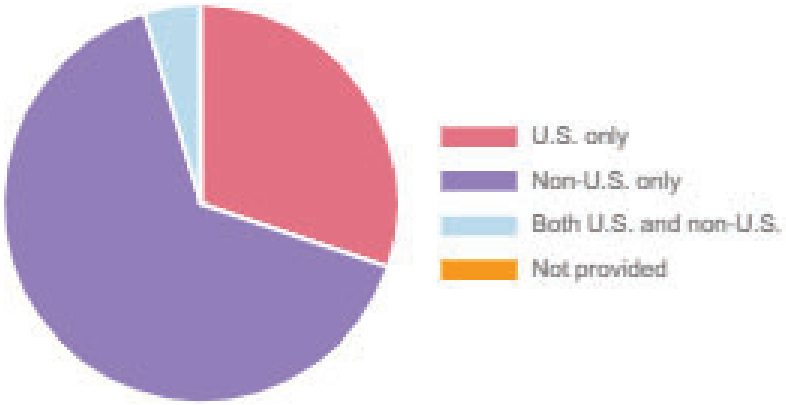
Both U.S. and non-U.S.	23,371 (5%)
Not provided	53,804 (11%)
Total	511,501 (100%)

Locations of recruiting studies

The chart below shows the distribution of locations for recruiting studies registered on ClinicalTrials.gov.

Percentage of recruiting studies by location (as of 2024-10-08)

Total of 67,253 studies



Location	Number of Recruiting Studies and Percentage of Total (as of 2024-10-08)
U.S. only	20,291 (30%)
Non-U.S. only	43,864 (65%)
Both U.S. and non-U.S.	3,066 (5%)
Not provided	32 (0%)

Total	67,253 (100%)

Types of registered studies

The table below shows the number and types of studies that are registered and have results posted on ClinicalTrials.gov.

Study and Intervention Type (as of 2024-10-08)		Number of Registered Studies and Percentage of Total	Number of Studies With Posted Results and Percentage of Total***
Total		511,501	66,730
Interventional		391,816 (77%)	62,974 (94%)
Type of Intervention*	**Drug or biologic**	197,205	46,263
	Behavioral, other	147,536	14,346
	Surgical procedure	40,838	3,215
	Device**	53,273	9,420
Observational		117,823 (23%)	3,756 (6%)
Expanded Access		956	N/A

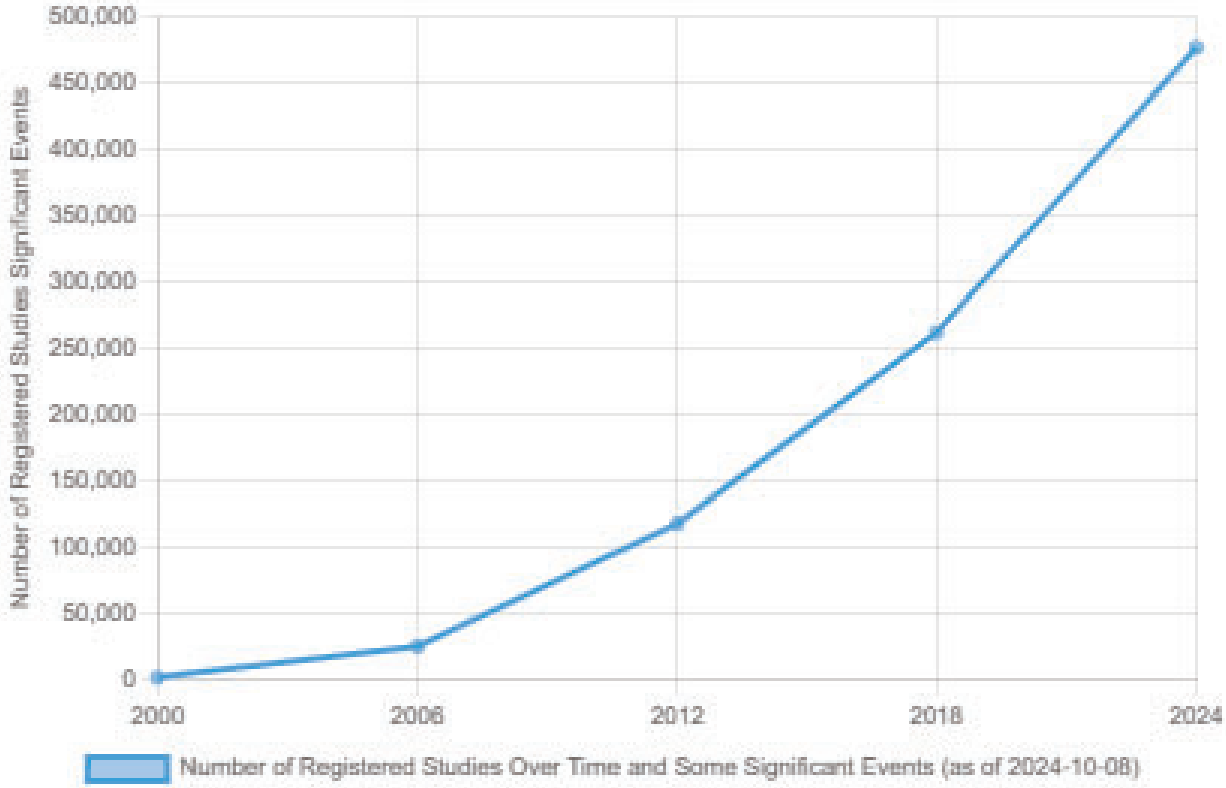
* A study may include more than one type of intervention, meaning that a single study may be counted more than once. Because of this, the sum of counts by type of intervention do not equal the total number of interventional studies.
** A total of 906 applicable device clinical trials were submitted as "delayed posting" under the Food and Drug Administration Amendments Act of 2007 (FDAAA). That is, the Responsible Party indicated that the trial includes a device not previously approved or cleared by the Food and Drug Administration (U.S. FDA) for any use. These trials are not included in the counts of trials with at least one device.
*** Results are required to be submitted only for certain studies. For example, results submission is generally not required for observational studies; trials completed before 2008; and trials that include drug, biological, or device products not previously approved by the U.S. FDA for any use (if the

Primary Completion Date is before January 18, 2017). See FDAAA 801 and the Final Rule (https://clinicaltrials.gov/policy/fdaaa-801-final-rule) for further information.

N/A = not applicable

Number of registered studies over time

The graph and table below show the total number of studies posted on ClinicalTrials.gov since 2000, based on the First Posted date. The first version of ClinicalTrials.gov was made available to the public on February 29, 2000.



Key:

ICMJE: Indicates when the International Committee of Medical Journal Editors (ICMJE) began requiring trial registration as a condition of publication (September 2005)

FDAAA: Indicates when the registration requirements of FDAAA began and were implemented on ClinicalTrials.gov (December 2007)

Number of registered studies by year (as of 2024-10-08)

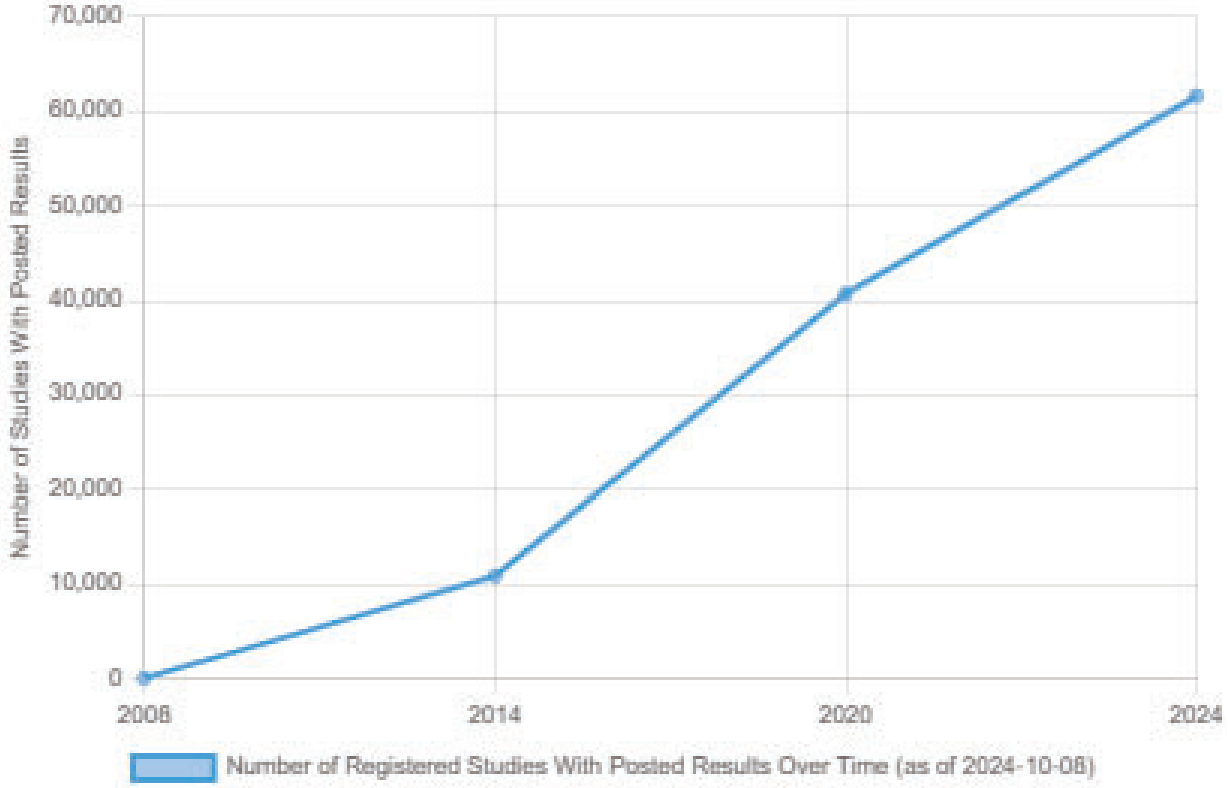
Year First Posted	Start of Year	During Year	End of Year
2000 †	1,255 †	2,119	2,119
2001	2,119	1,773	3,892
2002	3,892	1,378	5,270
2003	5,270	3,588	8,858
2004	8,858	3,166	12,024
2005	12,024	12,798	24,822
2006	24,822	10,917	35,739
2007	35,739	12,549	48,288
2008	48,288	17,564	65,852
2009	65,852	17,008	82,860
2010	82,860	17,345	100,205
2011	100,205	17,815	118,020
2012	118,020	19,463	137,483
2013	137,483	20,428	157,911
2014	157,911	23,308	181,219
2015	181,219	24,105	205,324

2016	205,324	27,786	233,110
2017	233,110	29,175	262,285
2018	262,285	30,946	293,231
2019	293,231	32,512	325,743
2020	325,743	36,722	362,465
2021	362,465	37,014	399,479
2022	399,479	38,026	437,505
2023	437,505	39,717	477,222
2024	477,222	34,279 ‡	511,501 ‡

† ClinicalTrials.gov was first launched on February 29, 2000 with 1,255 studies available
‡ As of 2024-10-08

Number of registered studies with posted results over time

The graph and table below show the number of registered studies with results posted on ClinicalTrials.gov, based on the Results First Posted date. ClinicalTrials.gov launched its results database in September 2008, at which time sponsors or investigators could begin submitting results for their registered studies. The results database was first developed to accommodate the results submission requirements outlined in FDAAA. See Which trials must have results submitted? (https://clinicaltrials.gov/policy/fdaaa-801-final-rule#trials-results-submitted) and When to submit results (https://clinicaltrials.gov/policy/fdaaa-801-final-rule#submit-results-info) on the FDAAA 801 (https://clinicaltrials.gov/policy/fdaaa-801-final-rule) page for more information.



Number of registered studies with posted results by year (as of 2024-10-08)

Year First Posted	Start of Year	During Year	End of Year
2008 †	0 †	41	41
2009	41	1,098	1,139
2010	1,139	1,617	2,756
2011	2,756	2,200	4,956
2012	4,956	2,804	7,760

2013	7,760	3,093	10,853
2014	10,853	4,827	15,680
2015	15,680	3,801	19,481
2016	19,481	4,185	23,666
2017	23,666	5,827	29,493
2018	29,493	4,659	34,152
2019	34,152	6,523	40,675
2020	40,675	6,043	46,718
2021	46,718	5,819	52,537
2022	52,537	4,024	56,561
2023	56,561	5,063	61,624
2024	61,624	5,106 ‡	66,730 ‡

† ClinicalTrials.gov Results Database was launched in September 2008, but initially held no results

‡ As of 2024-10-08