

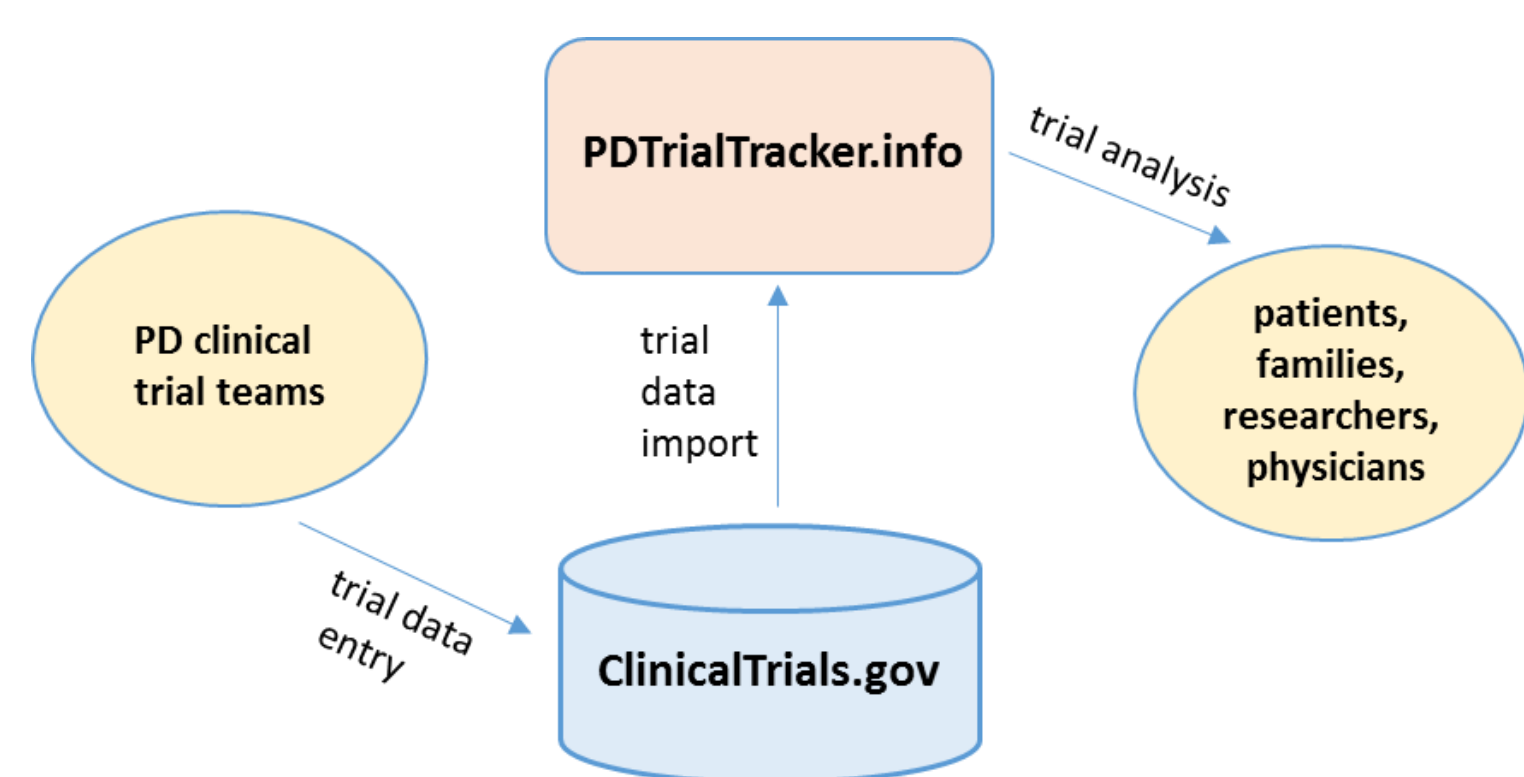
Analyzing the PD clinical trial pipeline to facilitate patient collaboration in research

OBJECTIVE

Provide the PD community with analysis of ongoing interventional and observational PD studies around the world to:

- Understand the types of trials underway and where they are in the pipeline.
- Highlight the most promising avenues of research.
- Uncover roadblocks in the trial process and ways to address them (e.g., funding, recruitment, best practices).
- Promote accurate and timely sharing of trial information for ongoing and completed trials (e.g., within ClinicalTrials.gov, clinic websites).
- Facilitate greater collaboration between Parkinson's patients, families, researchers, and physicians to accelerate progress towards a cure. (e.g., help guide priorities, provide recommendations).

METHODOLOGY



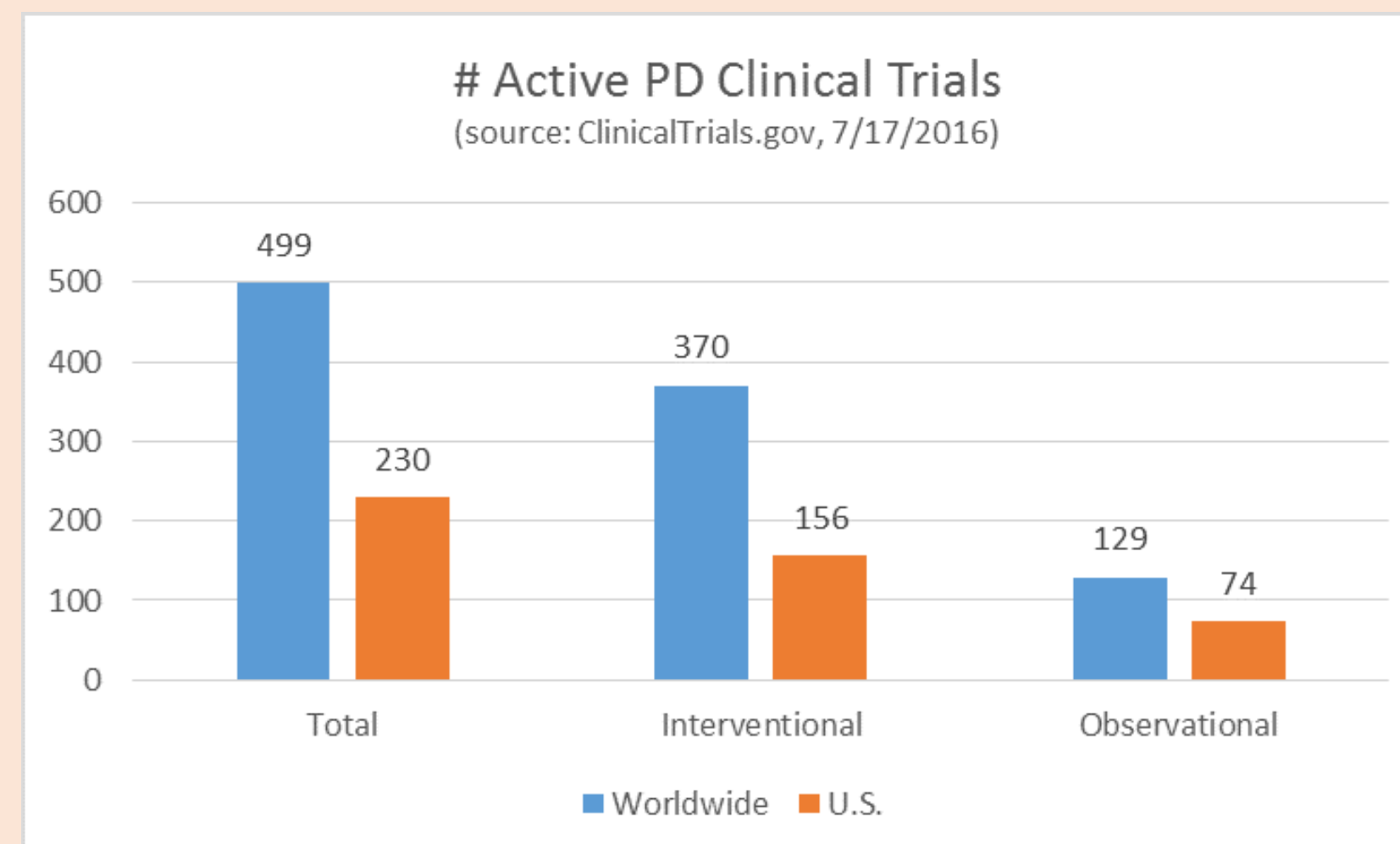
The PDTrialTracker application:

- Captures Parkinson's disease clinical trial/study data from ClinicalTrials.gov database.
- Filters and analyzes study data along parameters such as study type, therapy focus, trial phase, study location and expected completion date.
- Presents analysis in graphical formats showing high-level/aggregated views of trial data with the ability to drill down to individual trial specifics.
- Yields insights and action items to help accelerate research.

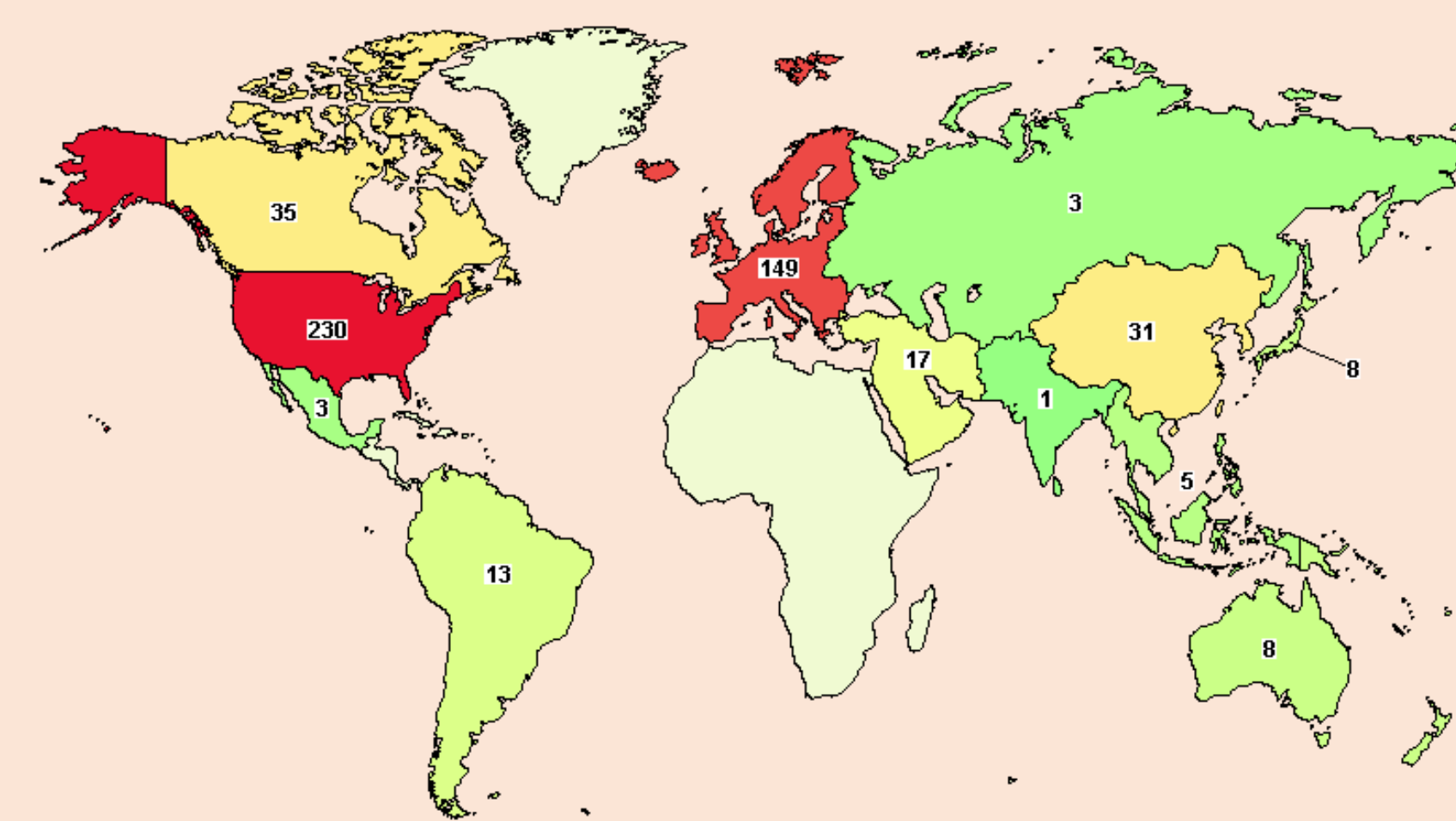
ANALYSIS

~ 500 active PD studies* in the pipeline worldwide as of July 2016.

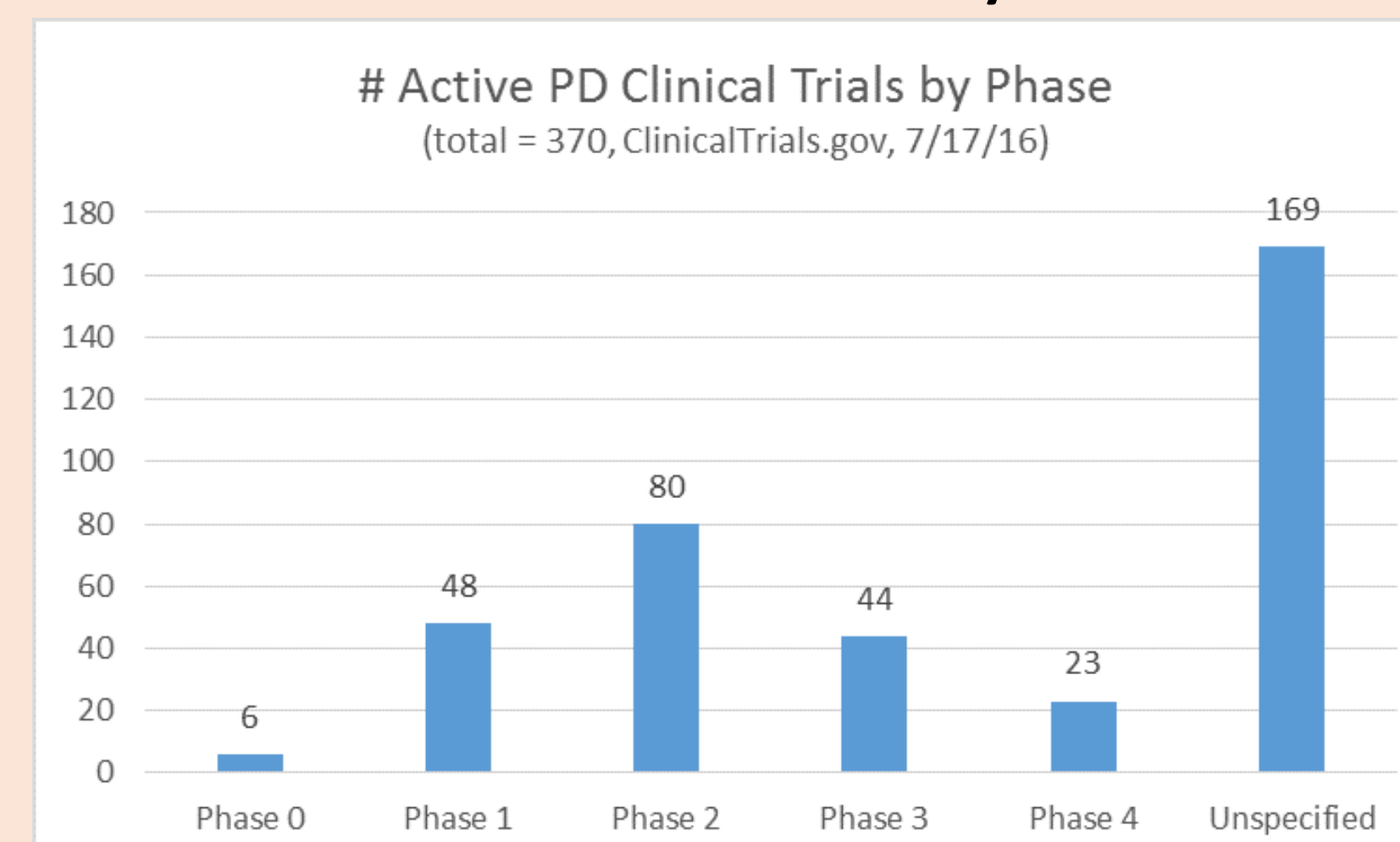
Active PD Interventional & Observational Studies



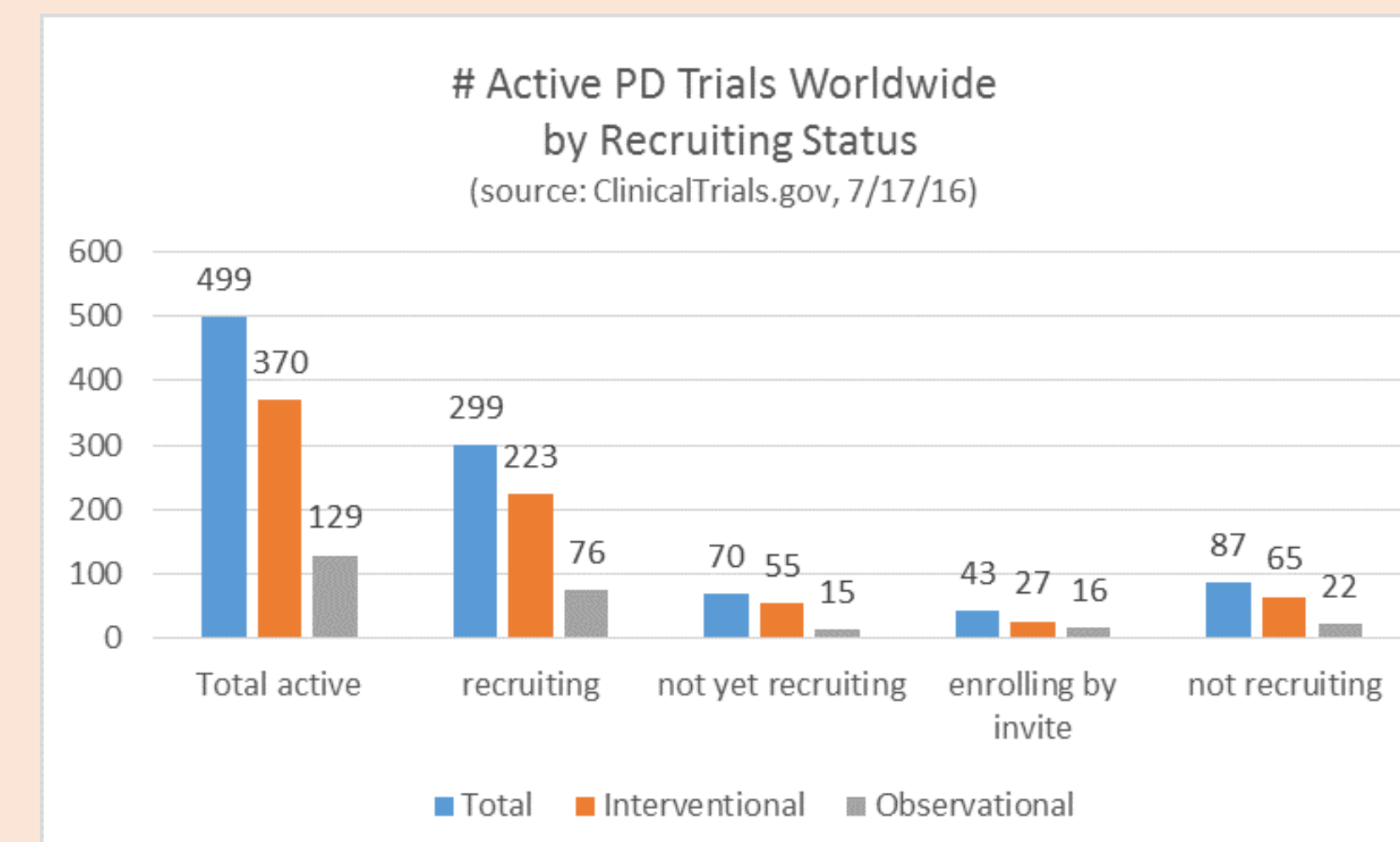
Location of Active PD Studies
(map: ClinicalTrials.gov, 7/17/16)



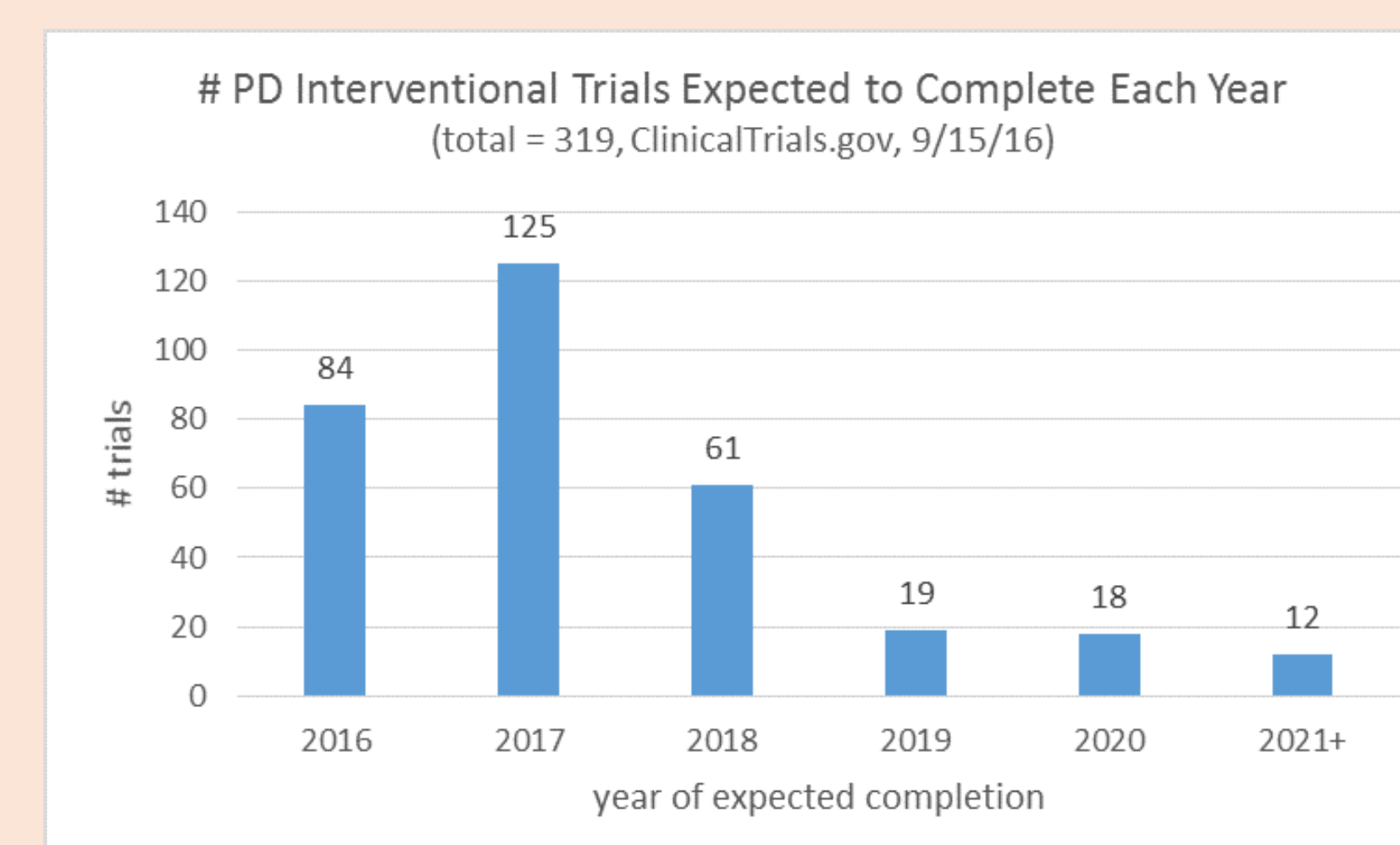
Active PD Clinical Trials by Phase



Active PD Studies by Recruiting Status



PD Clinical Trials Expected to Complete Each Year



of Recruiting* PD Studies (July 2016)

	Worldwide	U.S.
Interventional	250	113
Phase 1	34	22
Phase 2	55	27
Phase 3	20	16
Phase 4	17	8
Phase unspecified	124	40
Observational	92	59
Total (Int. + Obs.)	342	172

* includes studies enrolling by invitation.

Featuring interactive views of current trials filtered along study parameters:

Interventional vs. observational

Phase 1, 2, 3

Therapy focus

Recruiting status

Location

Expected completion date

Web-based PD studies

PD registries

Recruiting studies by study type, phase, & location.

* Data source: ClinicalTrials.gov. Active studies include interventional and observational studies that are recruiting, not yet recruiting, enrolling by invitation, and not recruiting.

CONCLUSION

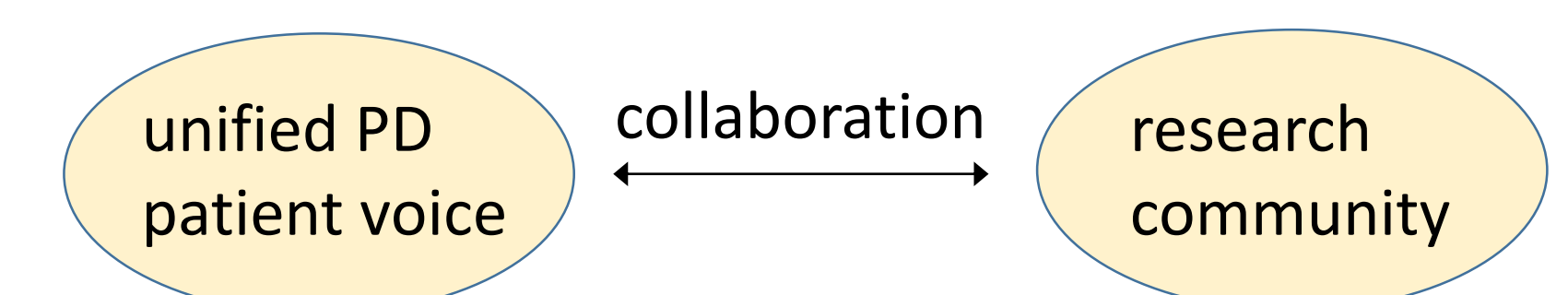
PDTrialTracker analysis can yield insights and suggest action plans to help address roadblocks, set priorities, and move PD research forward. A direct, focused and coordinated feedback loop between patients and the research community is needed next to enable a more rapid implementation of patient suggestions for Parkinson's research.

Two initial recommendations are to enhance access to trial data, thereby facilitating trial awareness, analysis and recruitment, through:

- Submission of information for all PD studies (interventional *and* observational), as well as results of completed studies, to ClinicalTrials.gov, which provides free and open access to trial data.
- Adoption of a trial naming convention that includes ClinicalTrials.gov trial ID #'s (NCT #'s) in all trial-related communications (clinic websites, media articles, etc.) so patients can easily access key trial info on ClinicalTrials.gov.

NEXT STEPS

- Include **patient/researcher feedback mechanisms** within the PDTrialTracker site (e.g., patient surveys/polls, trial reviews, study recommendations). Development will depend on community interest and addition of technical resources.



- Create a **UNIFIED PD PATIENT VOICE** through collaboration with PD entities worldwide to ensure the patient perspective is an integral part of research to find a cure.

WHAT YOU CAN DO

- Visit PDTrialTracker.info to learn more.
- Sign up for PDTrialTracker email updates.
- Share your trial feedback and suggestions.
- Remember: **INFORMATION->EMPOWERMENT->HOPE**