

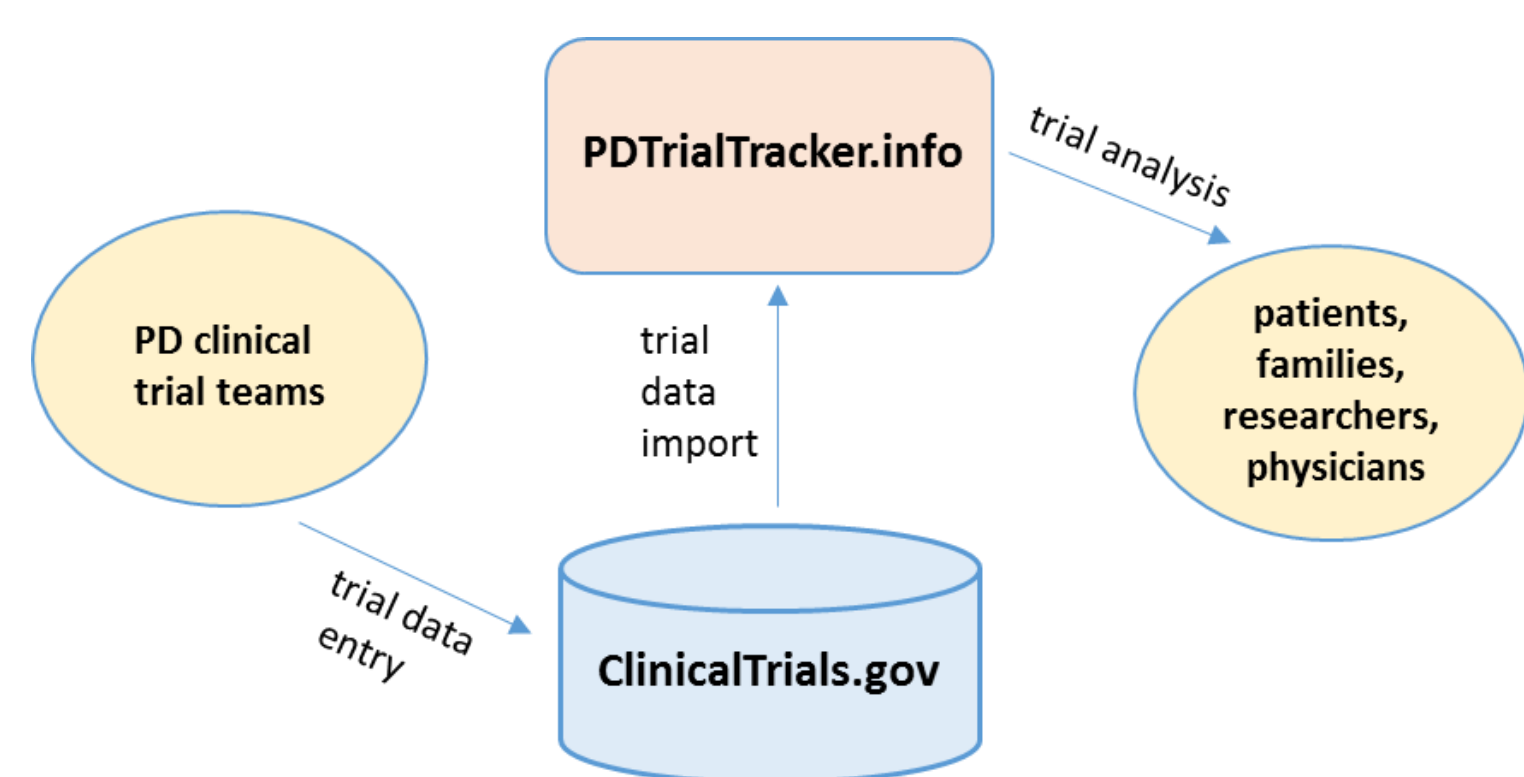
## Analyzing the PD clinical trial pipeline to facilitate patient collaboration in research

### 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



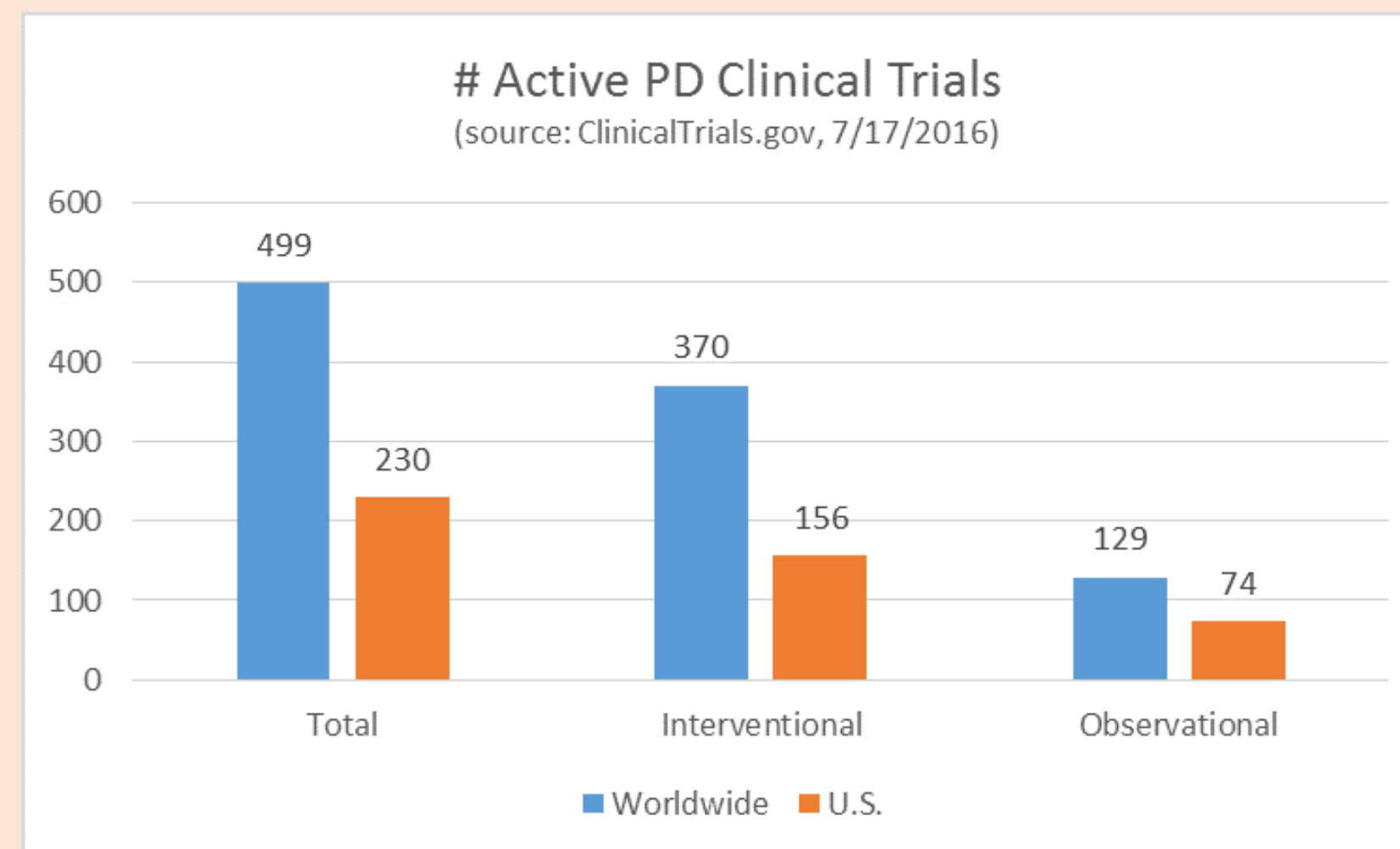
The PDTrialTracker application:

- 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.

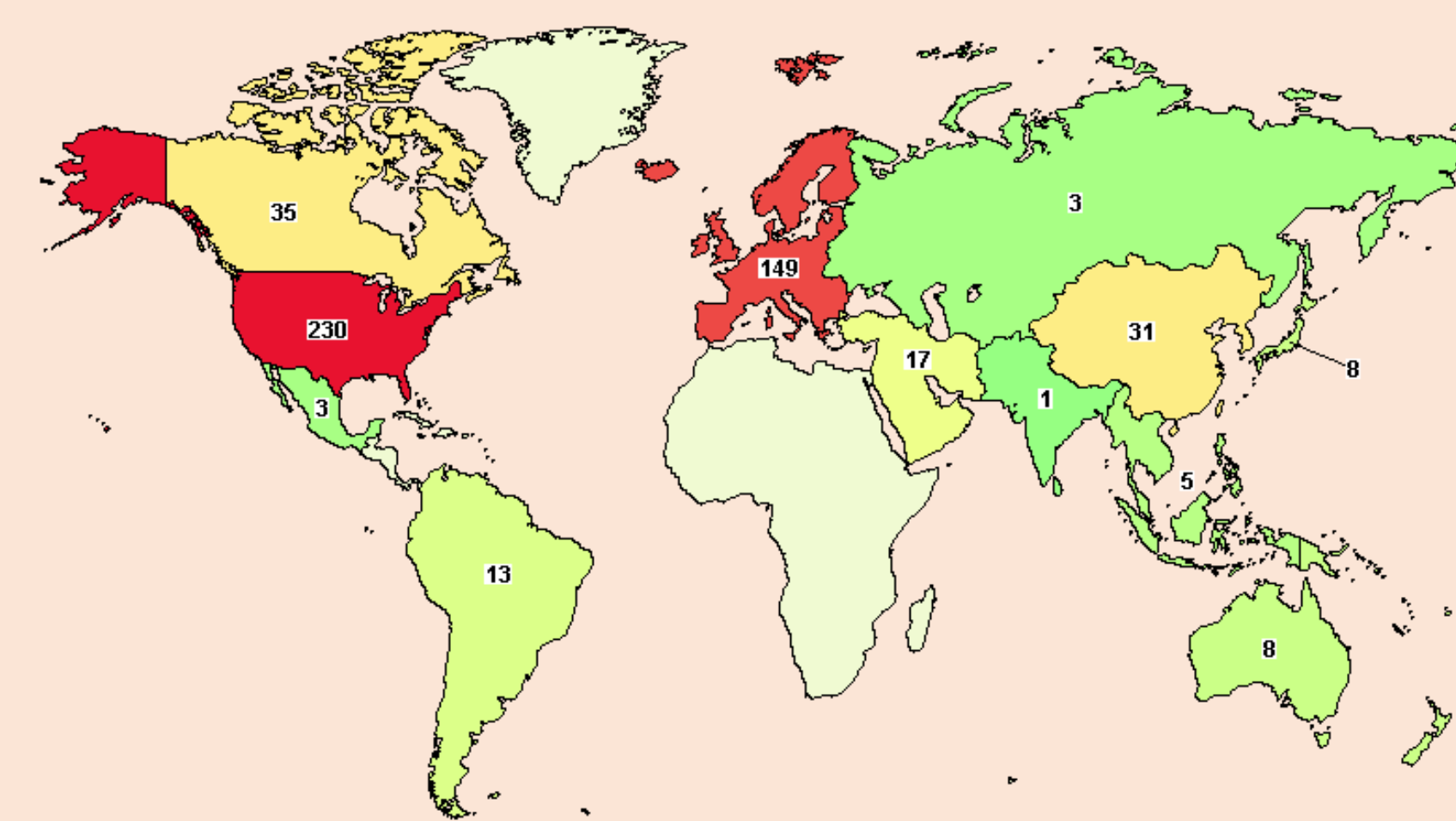
### ANALYSIS

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

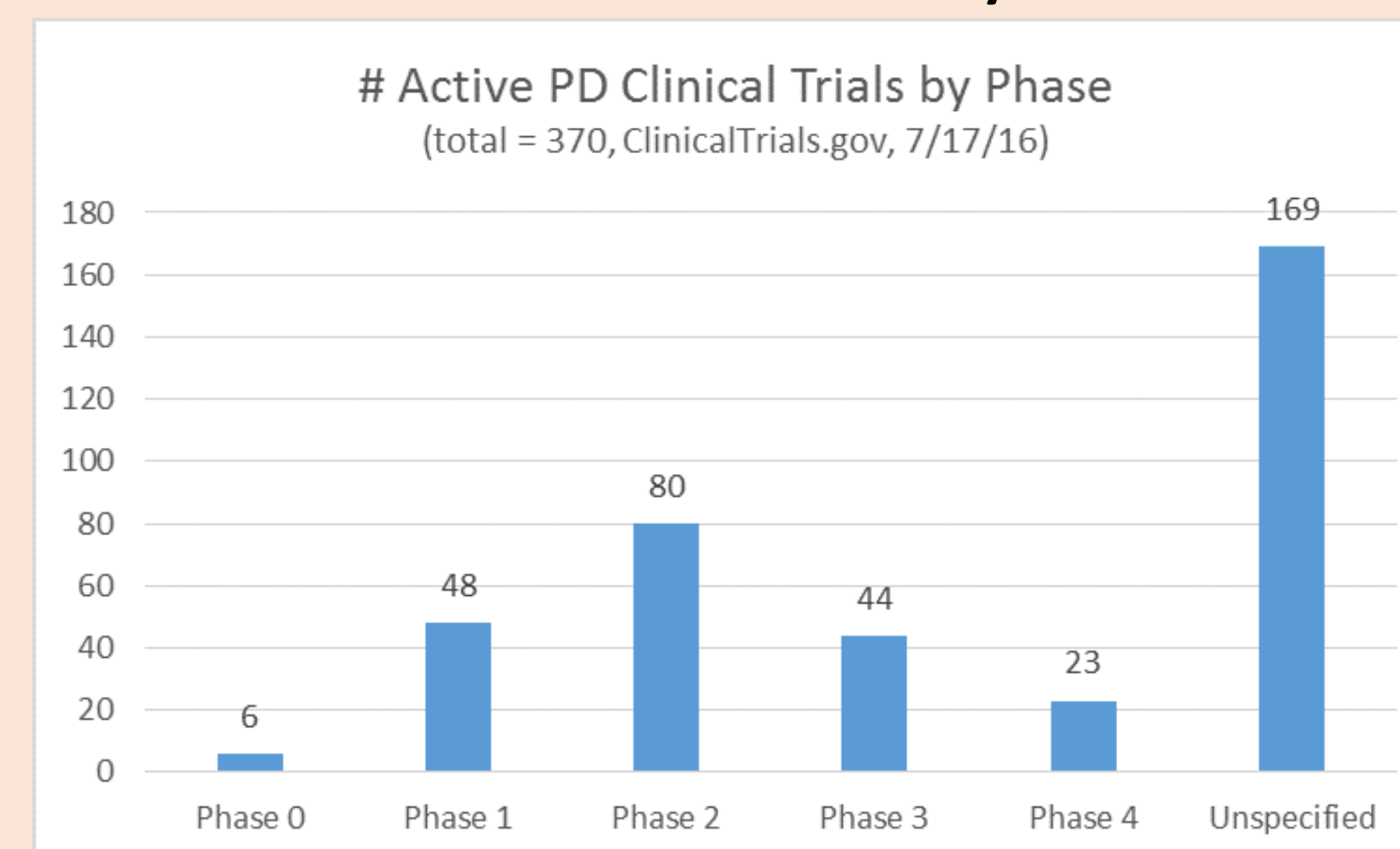
# Active PD Interventional & Observational Studies



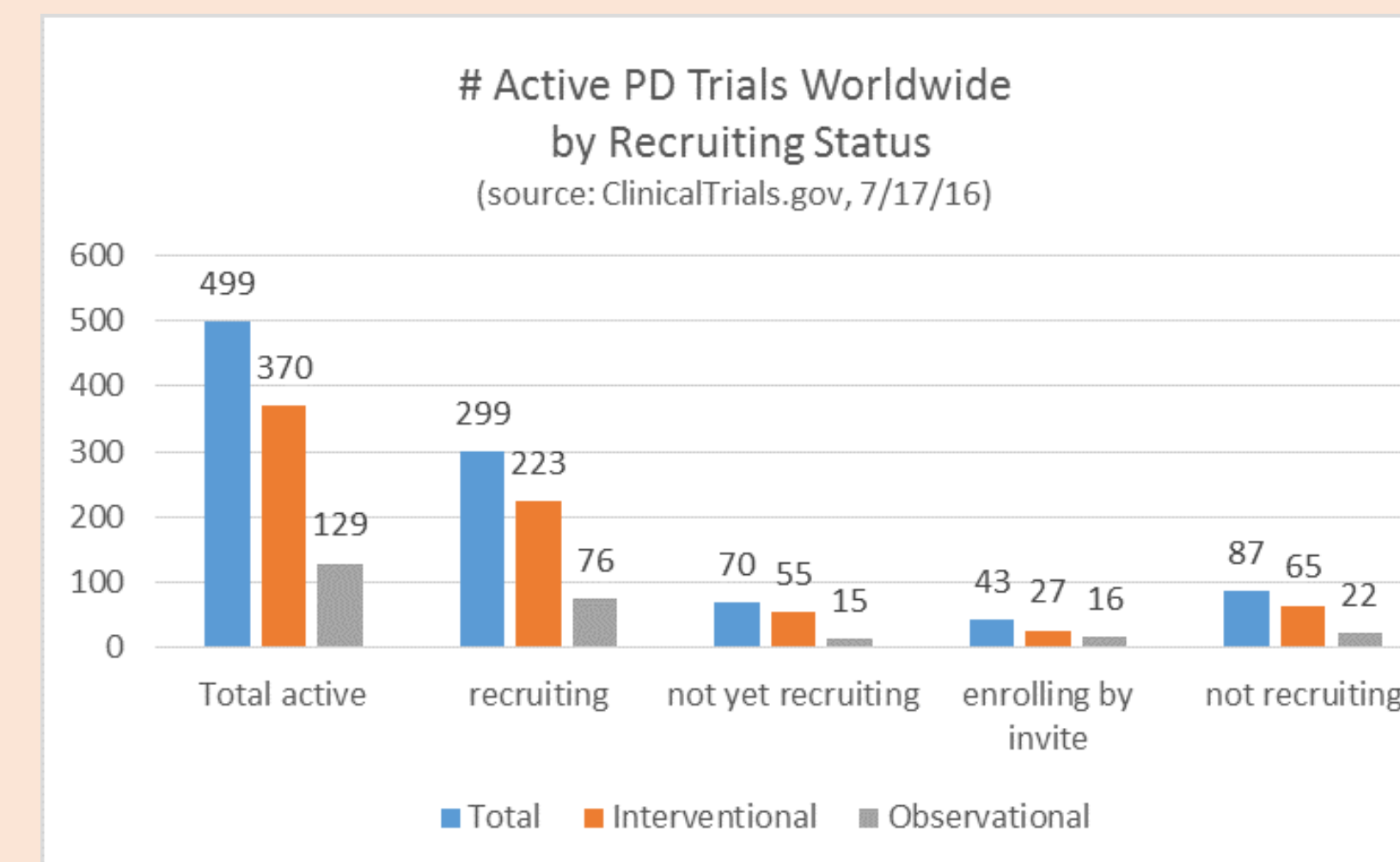
Location of Active PD Studies (map: ClinicalTrials.gov, 7/17/16)



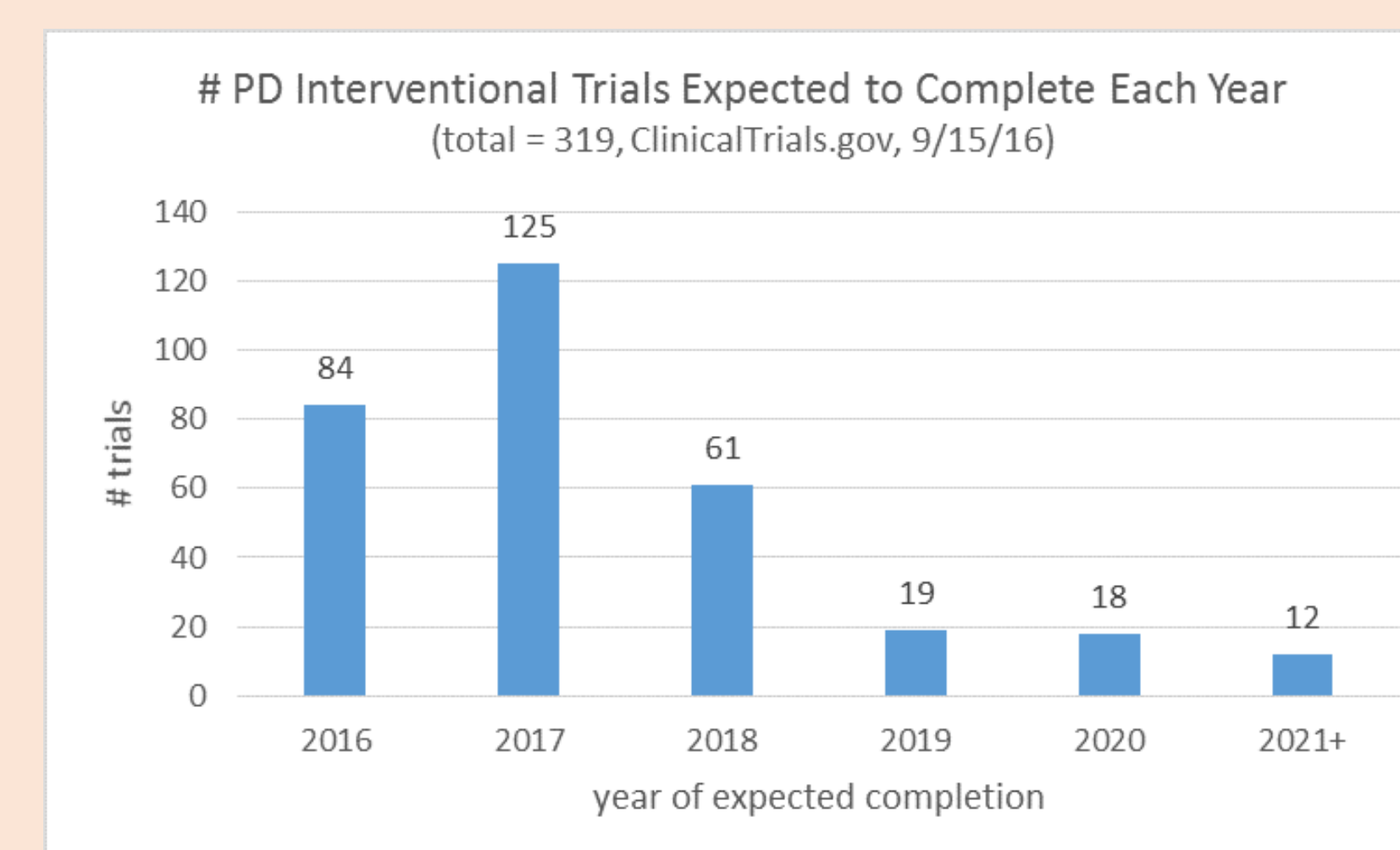
# Active PD Clinical Trials by Phase



# Active PD Studies by Recruiting Status



# PD Clinical Trials Expected to Complete Each Year



# of Recruiting\* PD Studies (July 2016)

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

\* 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

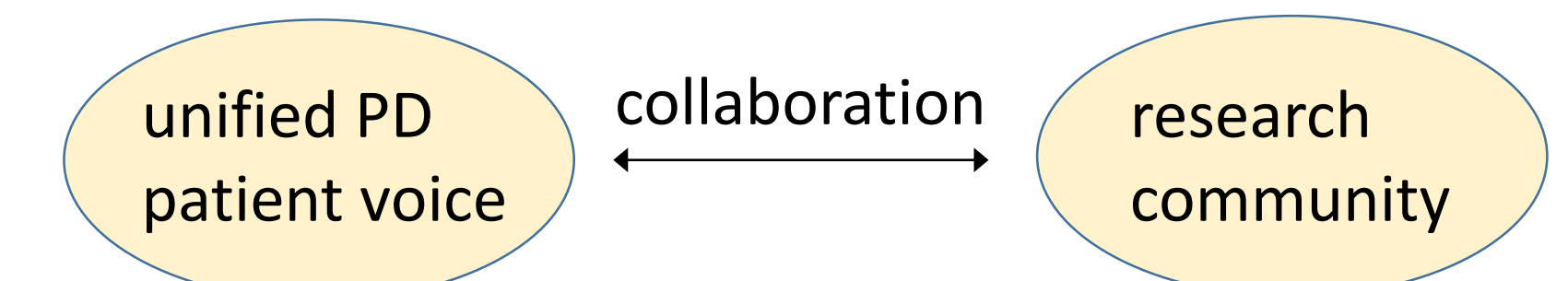
PDTrialTracker analysis can yield insights and suggest action plans to help address roadblocks, set priorities, and move PD research forward. A direct, focused and coordinated feedback loop between patients and the research community is needed next to enable a more rapid implementation of patient suggestions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