

“Basic Results” Database

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ClinicalTrials.gov Overview and PL 110-85 Requirements

Module 1

Levels of “Transparency”

- Prospective Clinical Trials Registry
 - Captures key summary protocol information before or during the trial
- Results Database
 - Captures summary results of a completed trial



Zarin DA, Tse T. Medicine. Moving toward transparency of clinical trials. *Science*. 2008 Mar 7;319(5868):1340-2.

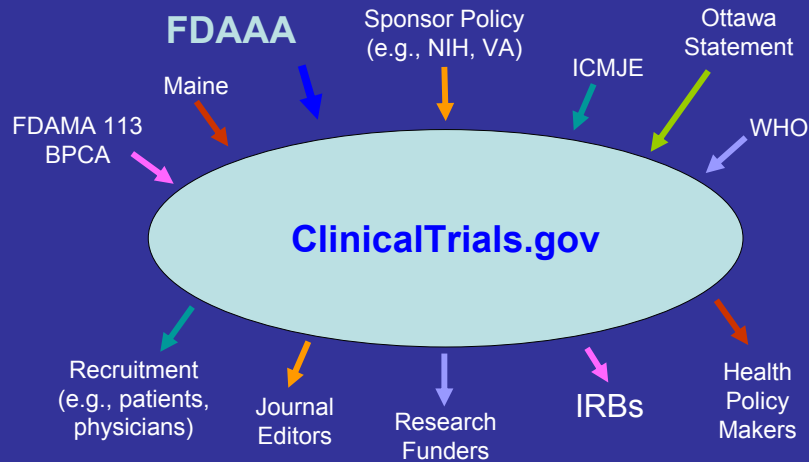
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History of ClinicalTrials.gov

- FDAMA 113 (1997): Mandates Registry
 - IND trials for serious and life-threatening diseases or conditions
- ClinicalTrials.gov Launched in February 2000
- Calls for Increased Transparency of Clinical Trials
 - Maine State Law; State Attorneys General
 - Journal Editors (2004)
- ClinicalTrials.gov Accommodates Other Policies
- FDAAA 801 (2007): Expands Registry and Adds Results Database

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Policies and Users



Public Law 110-85

Sec.801 Expanded Clinical Trial Registry

- Enacted on September 27, 2007
- Requires Trial Registration (Dec 2007)
 - Phase II-IV drug and device trials for all diseases
 - Data elements: ClinicalTrials.gov + ~ WHO/ICMJE
- Requires Results Reporting (Sept 2008)
 - Trials of FDA-approved or cleared drugs and devices
 - “Basic” Results: Baseline Characteristics, Primary & Secondary Outcomes, Statistical Analyses
 - Adverse Events (Sept 2009)
 - “Expansion” of results by rulemaking (Sept 2010)

Enforcement Mechanisms

- Public Notices of Non-Compliance
- Civil Monetary Penalties (up to \$10,000 per day)
- Withholding of NIH funds
- FDA Sanctions

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Key Terms

- Responsible Party
 - Sponsor
 - Designated Principal Investigator (PI)
- Applicable Clinical Trial
 - Drug
 - Device
- (Primary) Completion Date

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Key Milestones

- December 26, 2007
 - Expanded registry requirements effective
 - Linking to existing results
- September 27, 2008
 - “Basic Results” reporting requirements effective
- March 2009 - Public Meeting
- September 27, 2009 – Adverse Events
- September 27, 2010 – Rulemaking Due

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Basic Results Database: General Characteristics

- Results of “applicable clinical trials” of FDA-*approved/cleared* medical products
- Generally, submission within 12 months of the *earlier* of estimated or actual trial completion date (of primary outcome)
- Delayed Submission of Results
 - Seeking initial approval
 - Seeking approval of a new use
 - Extensions for “good cause”

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Basic Results Information: Statutory Requirements

- Demographic & baseline characteristics
 - Table of values, overall and for each arm
 - # of patients dropped out & excluded from analysis
- Primary and secondary outcomes
 - Table of values for each primary & secondary outcome measure, by arm
 - Scientifically appropriate tests of statistical significance
- Point of contact (for scientific information)
- Certain agreements (restrictions on PI to discuss or publish results after trial completion date)

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Adverse Events - Default

- If the Secretary fails to issue regulation by **24 months after the date of enactment** [September 2009]
- SERIOUS ADVERSE EVENTS
 - Table of anticipated & unanticipated serious adverse events
 - Grouped by organ system
 - Number and frequency of event in each clinical trial arm
- FREQUENT (other) ADVERSE EVENTS
 - Table of anticipated & unanticipated adverse events
 - Exceed a frequency of 5 percent within any trial arm
 - Grouped by organ system
 - Number and frequency of event in each trial arm

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Basic Results Modules

- Participant Flow
 - Number Started, Completed, Not Completed
 - Optional: Reasons for Not Completed
- Demographic and Baseline Characteristics
 - Measurement name and units (age & gender required)
 - Data: Overall and by trial arm
- Primary and Secondary Outcomes
 - Number Participants Analyzed
 - Measurement type, name, units and time frame
 - Data: By trial arm
 - Scientifically appropriate tests of statistical significance

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“Basic Results” Data Entry

Module 2



Certain Agreements

“Whether there exists an agreement ... between the sponsor or its agent and the principal investigator ... that restricts in any manner the ability of the principal investigator, after the completion date of the trial, to discuss the results of the trial at a scientific meeting or any other public or private forum, or to publish in a scientific or academic journal information concerning the results of the trial.”

Certain Agreements:

Principal Investigators are **NOT** employed by the organization sponsoring the study.

There **IS** an agreement between Principal Investigators and the Sponsor (or its agents) that restricts the PI's rights to discuss or publish trial results after the trial is completed.

The agreement is:

- The only disclosure restriction on the PI is that the sponsor can review results communications prior to public release and can embargo communications regarding trial results for a period that is **less than or equal to 60 days**. The sponsor cannot require changes to the communication and cannot extend the embargo.
- The only disclosure restriction on the PI is that the sponsor can review results communications prior to public release and can embargo communications regarding trial results for a period that is **more than 60 days but less than or equal to 180 days**. The sponsor cannot require changes to the communication and cannot extend the embargo.
- Other disclosure agreement that restricts the right of the PI to discuss or publish trial results after the trial is completed.

Design Requirements

- Display consists of data tables with minimal text—must be self-explanatory
- System must accommodate range of study designs and facilitate comparison across studies
- NLM directed to:
 - Consider different methods of display based on principles of risk communication for different audiences
 - Ensure the data are searchable in many ways
- Structured data entry required to facilitate search and display needs

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Design Features

- Tables are “constructed” by the data provider
 - Columns are pre-set as study arms, but can be changed by the data provider
 - Rows are measures—some are pre-set, others are customized for each study
 - Type of measure determines specific design of “cells”
- Attempt to balance fixed structure with flexibility

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Principles for Using the Basic Results Database

- Submitted data are used to develop basic tables for the public display
- Tables must be interpretable by people not familiar with each particular study
- Labels for rows, columns, and units of measure must be meaningful and precise

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<http://prsinfo.clinicaltrials.gov/fdaaa.html>

"Basic Results" Database

- [Common errors \(pdf\)](#) - overview of common types of errors identified in submitted records with "basic results"
- [Helpful hints \(pdf\)](#) - tips on entering results data, including three examples of common study models (parallel design, crossover design, and diagnostic accuracy studies), reporting measure types, including information on reporting outcomes measured with a scale.
- ["Basic Results" Data Element Definitions \(DRAFT\)](#) - details on the information that is entered about results via the PRS.
- [May 21, 2008 Federal Register Notice](#) - describes the public process for the expansion of ClinicalTrials.gov under FDAAA 801 (pdf).
- [Basic Results Provisions](#) - extracted from FDAAA 801.
- [Delayed Submission of Results](#) - information on submitting certifications or requests for extension

Expanded Registry

- [Data Element Definitions \(DRAFT\)](#) - details on the information that is entered via the PRS
- [NIH Fact Sheet](#) on registration at ClinicalTrials.gov under FDAAA 801
- [Guidance from NIH Office of Extramural Research](#):
 - [Clinical Trials Registration in ClinicalTrials.gov \(Public Law 110-85\): Competing Applications and Non-Competing Progress Reports \(NOT-OD-08-023\)](#)
 - [FAQs - Clinical Trials Registration in ClinicalTrials.gov](#)
 - [Guidance on New Law \(Public Law 110-85\) Enacted to Expand the Scope of ClinicalTrials.gov: Registration \(NOT-OD-08-014\)](#)
- [Certification of Compliance to FDA](#) - to accompany Drug, Biological Product, and Device applications or submissions

For specific questions or comments as this relates to the PRS, contact us at register@clinicaltrials.gov.

| Results Overview | | ID: 1122 | | | | | | | | | | | | | | | |
|--|----------------------------------|--|------------------------|---------|--------|-------------------------------|---|---|-------------|-------------------------|-------------------------|--|---------|--------|-------------------------------|---|----|
| Title: Crossover Study Example: Drug A vs. Placebo | | | | | | | | | | | | | | | | | |
| Edit Protocol Delete Results | | | | | | | | | | | | | | | | | |
| Edit | Results Point of Contact: | Dr. Clinical Trial Clinical Trial University Phone: Email: contactme@clinicaltrialuniversity.edu | | | | | | | | | | | | | | | |
| Edit | Certain Agreements: | Principal Investigators are NOT employed by the organization sponsoring the study. The only disclosure restriction on the PI is that the sponsor can review results communications prior to public release and can embargo communications regarding trial results for a period that is less than or equal to 60 days from the time submitted to the sponsor for review. The sponsor cannot require changes to the communication and cannot extend the embargo. | | | | | | | | | | | | | | | |
| Edit | Participant Flow: | Trial Period: Fast intervention Trial Period: Washout period of 2 weeks Trial Period: Second intervention | | | | | | | | | | | | | | | |
| Edit | Baseline Characteristics: | Age Categorical Age Continuous Gender, Male/Female Study Specific Characteristic [diastolic blood pressure] Study Specific Characteristic [systolic blood pressure] Study Specific Characteristic [weight] | | | | | | | | | | | | | | | |
| Edit | Outcome Measures: | Primary Outcome(s): <input type="checkbox"/> Posted change in diastolic blood pressure [3 months] Units: mm Hg <input type="checkbox"/> Posted change in systolic blood pressure [three months] Units: mm Hg Secondary Outcome(s): <input type="checkbox"/> Not Posted plasma level of marker X [three months] Units: mg/L <input type="checkbox"/> Not Posted change in weight [three months] Units: kg | | | | | | | | | | | | | | | |
| Edit | Limitations and Caveats: | | | | | | | | | | | | | | | | |
| Edit | Adverse Events: | <table border="1"> <thead> <tr> <th>Serious Adverse Events</th> <th>Placebo</th> <th>Drug A</th> </tr> </thead> <tbody> <tr> <td>Total # Affected Participants</td> <td>0</td> <td>1</td> </tr> <tr> <td>Neutropenia</td> <td>0 Affected / 65 At Risk</td> <td>1 Affected / 65 At Risk</td> </tr> <tr> <th>Other (Not Including Serious) Adverse Events</th> <th>Placebo</th> <th>Drug A</th> </tr> <tr> <td>Total # Affected Participants</td> <td>5</td> <td>10</td> </tr> </tbody> </table> | Serious Adverse Events | Placebo | Drug A | Total # Affected Participants | 0 | 1 | Neutropenia | 0 Affected / 65 At Risk | 1 Affected / 65 At Risk | Other (Not Including Serious) Adverse Events | Placebo | Drug A | Total # Affected Participants | 5 | 10 |
| Serious Adverse Events | Placebo | Drug A | | | | | | | | | | | | | | | |
| Total # Affected Participants | 0 | 1 | | | | | | | | | | | | | | | |
| Neutropenia | 0 Affected / 65 At Risk | 1 Affected / 65 At Risk | | | | | | | | | | | | | | | |
| Other (Not Including Serious) Adverse Events | Placebo | Drug A | | | | | | | | | | | | | | | |
| Total # Affected Participants | 5 | 10 | | | | | | | | | | | | | | | |

Data Elements: Participant Flow

- Number of Participants - *Required*
 - Started Study
 - Completed Study
 - [Not Completed: e.g., dropped out or excluded]
- Other Information
 - Recruitment Details
 - Pre-assignment Details
 - Reasons for Not Completed (e.g., adverse events)
 - Additional Periods or “Milestones”

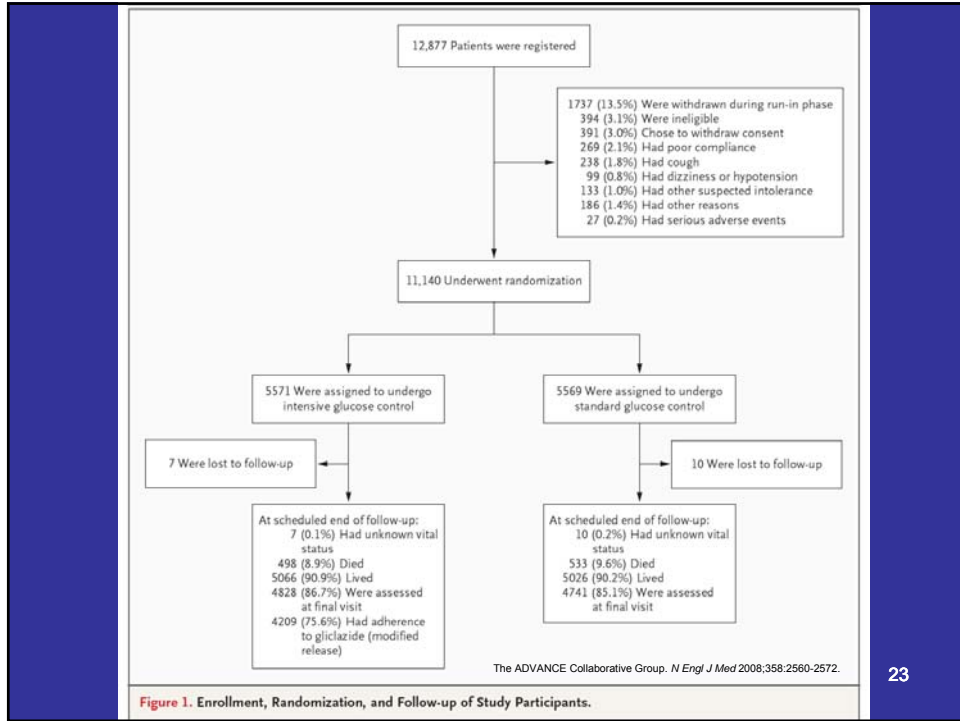


Figure 1. Enrollment, Randomization, and Follow-up of Study Participants.

| Results: Participant Flow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|---|----------------------|--|----|---------|----|---|--|-----------|----|-----|----------------|----------------|------------|---|--|----------------------|---|----|---------|----|-----------|----|-----|----------------|----------------|------------|---------------------------------|--|----------------------|---|----|---------|----|-----------|----|-----|----------------|----------------|------------|---|--|
| Title: Crossover Study Example: Drug A vs. Placebo | | ID: 1122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Results Overview | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edit | Recruitment Details: | Participants recruited from a specialty clinic at a hospital in Fictional City, USA between October 2004 and January 2007. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Pre-assignment Details: | 267 participants recruited, 186 screened, 56 excluded (36 did not meet inclusion criteria and 20 refused participation). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Create Period | | Add Arm/Group | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Periods | | <table border="1"> <thead> <tr> <th></th> <th>Placebo first <i>Placebo twice daily in first i...</i> Modify/Delete</th> <th>Drug A first <i>Drug A 25 mg twice daily in fi...</i> Modify/Delete</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Edit</td> <td>First intervention Modify/Delete</td> <td>65</td> </tr> <tr> <td>STARTED</td> <td>65</td> </tr> <tr> <td>Other Received at least one dose of drug Milestones:</td> <td></td> </tr> <tr> <td>COMPLETED</td> <td>63</td> </tr> <tr> <td>Not</td> <td>0 (Calculated)</td> <td>2 (Calculated)</td> </tr> <tr> <td>Completed:</td> <td colspan="2">Other [neutropenia] (0, 1); Withdrawal by Subject (0, 1);</td> </tr> <tr> <td rowspan="3">Edit</td> <td>Washout period of 2 weeks Modify/Delete</td> <td>65</td> </tr> <tr> <td>STARTED</td> <td>63</td> </tr> <tr> <td>COMPLETED</td> <td>62</td> </tr> <tr> <td>Not</td> <td>2 (Calculated)</td> <td>1 (Calculated)</td> </tr> <tr> <td>Completed:</td> <td colspan="2">Other [Disease relapse] (2, 1);</td> </tr> <tr> <td rowspan="3">Edit</td> <td>Second intervention Modify/Delete</td> <td>63</td> </tr> <tr> <td>STARTED</td> <td>62</td> </tr> <tr> <td>COMPLETED</td> <td>62</td> </tr> <tr> <td>Not</td> <td>3 (Calculated)</td> <td>0 (Calculated)</td> </tr> <tr> <td>Completed:</td> <td colspan="2">Adverse Event (2, 0); Lost to Follow-up (1, 0);</td> </tr> </tbody> </table> | | Placebo first <i>Placebo twice daily in first i...</i> Modify/Delete | Drug A first <i>Drug A 25 mg twice daily in fi...</i> Modify/Delete | Edit | First intervention Modify/Delete | 65 | STARTED | 65 | Other Received at least one dose of drug Milestones: | | COMPLETED | 63 | Not | 0 (Calculated) | 2 (Calculated) | Completed: | Other [neutropenia] (0, 1); Withdrawal by Subject (0, 1); | | Edit | Washout period of 2 weeks Modify/Delete | 65 | STARTED | 63 | COMPLETED | 62 | Not | 2 (Calculated) | 1 (Calculated) | Completed: | Other [Disease relapse] (2, 1); | | Edit | Second intervention Modify/Delete | 63 | STARTED | 62 | COMPLETED | 62 | Not | 3 (Calculated) | 0 (Calculated) | Completed: | Adverse Event (2, 0); Lost to Follow-up (1, 0); | |
| | Placebo first <i>Placebo twice daily in first i...</i> Modify/Delete | Drug A first <i>Drug A 25 mg twice daily in fi...</i> Modify/Delete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edit | First intervention Modify/Delete | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | STARTED | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Other Received at least one dose of drug Milestones: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COMPLETED | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not | 0 (Calculated) | 2 (Calculated) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Completed: | Other [neutropenia] (0, 1); Withdrawal by Subject (0, 1); | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edit | Washout period of 2 weeks Modify/Delete | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | STARTED | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | COMPLETED | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not | 2 (Calculated) | 1 (Calculated) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Completed: | Other [Disease relapse] (2, 1); | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edit | Second intervention Modify/Delete | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | STARTED | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | COMPLETED | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Not | 3 (Calculated) | 0 (Calculated) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Completed: | Adverse Event (2, 0); Lost to Follow-up (1, 0); | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

▶ Participant Flow

Recruitment Details

Key information relevant to the recruitment process for the overall study, such as dates of the recruitment period and locations

Participants recruited from a specialty clinic at a hospital, in Fictional City, USA between October 2004 and January 2007.

Pre-Assignment Details

Significant events and approaches for the overall study following participant enrollment, but prior to group assignment

267 participants recruited; 186 screened, 56 excluded (36 did not meet inclusion criteria and 20 refused participation).

Reporting Groups

| | Description |
|---------------|---|
| Placebo First | Placebo twice daily in first intervention period and Drug A 25 mg twice daily in second intervention period (after washout period). |
| Drug A First | Drug A 25 mg twice daily in first intervention period and Placebo twice daily in second intervention period (after washout period). |

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| Period: First Intervention | | |
|------------------------------------|---------------|--------------|
| | Placebo First | Drug A First |
| STARTED | 65 | 65 |
| Received at Least One Dose of Drug | 65 | 64 |
| COMPLETED | 65 | 63 |
| NOT COMPLETED | 0 | 2 |
| neutropenia | 0 | 1 |
| Withdrawal by Subject | 0 | 1 |

| Period: Washout Period of 2 Weeks | | |
|-----------------------------------|---------------|--------------|
| | Placebo First | Drug A First |
| STARTED | 65 | 63 |
| COMPLETED | 63 | 62 |
| NOT COMPLETED | 2 | 1 |
| Disease relapse | 2 | 1 |

| Period: Second Intervention | | |
|-----------------------------|---------------|--------------|
| | Placebo First | Drug A First |
| STARTED | 63 | 62 |
| COMPLETED | 60 | 62 |
| NOT COMPLETED | 3 | 0 |
| Adverse Event | 2 | 0 |
| Lost to Follow-up | 1 | 0 |

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Data Elements: Demographic and Baseline Characteristics

- Demographic Characteristics - *Required*
 - Number of Participants Analyzed
 - Age (continuous or categorical)
 - Gender
- Other Demographic Characteristics
 - Race, ethnicity, region of enrollment
- Study-Specific Baseline Measures – Certain sub-elements required if provided
 - Measurement Name and Units
 - Measurement Type (e.g., Number, Median)
 - Measure of Dispersion, if continuous (e.g., Standard Deviation)

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| Table 1. Baseline Characteristics According to Randomized Study Assignment* | | |
|--|-----------------------|---------------------------|
| Parameter | Placebo (n = 2885) | Pexelizumab (n = 2860) |
| Age, y | | |
| Median (IQR) | 61 (52-71) | 61 (51-71) |
| ≥75, % | 479 (16.6) | 498 (17.4) |
| Women, No. (%) | 634 (22.0) | 691 (24.2) |
| Weight, median (IQR), kg | 80 (70-91) | 80 (70-91) |
| Heart rate, median (IQR), beats/min | 75 (64-86) | 75 (65-86) |
| Systolic blood pressure, median (IQR), mm Hg: | 133 (117-150) | 133 (117-150) |
| Killip class, No. (%)† | | |
| I | 2580 (89.6) | 2548 (89.2) |
| II | 236 (8.2) | 253 (8.9) |
| III | 33 (1.2) | 31 (1.1) |
| IV | 32 (1.1) | 26 (0.9) |
| Infarct location, No. (%) | | |
| Inferior | 1180 (40.9) | 1167 (40.8) |

| | | | |
|---|--|--|------------------|
| Add Baseline Measure | | Add Arm Group | |
| | | Entire study population <i>Includes groups randomized to ...</i> | |
| | | <small>Modify/Delete</small> | |
| Edit | Overall Number of Baseline Participants | 130 | |
| <hr/> | | | |
| Age Categorical <i>Units: participants</i> | | | |
| <small>Modify/Delete</small> | | | |
| Edit | | <i>Entire study population</i> | |
| | <=18 years | Number | 0 participants |
| | Between 18 and 65 years | Number | 130 participants |
| | >=65 years | Number | 0 participants |
| <hr/> | | | |
| Add Baseline Measure | | | |
| Age Continuous <i>Units: years</i> | | | |
| <small>Modify/Delete</small> | | | |
| Edit | | <i>Entire study population</i> | |
| | Mean (Standard Deviation) years | 40.3 (5.6) | |
| <hr/> | | | |
| Add Baseline Measure | | | |
| Gender, Male / Female <i>Units: participants</i> | | | |
| <small>Modify/Delete</small> | | | |
| Edit | | <i>Entire study population</i> | |
| | Female | Number | 60 participants |
| | Male | Number | 70 participants |
| <hr/> | | | |
| 29 | | | |

| | | | |
|--|--------------------------------|---|--------------|
| Add Baseline Measure | | Add Arm Group | |
| | | Study Specific Characteristic [diastolic blood pressure] <i>Units: mm Hg</i> | |
| | | <small>Modify/Delete</small> | |
| Edit | | <i>Entire study population</i> | |
| | At enrollment | Mean (Standard Deviation) mm Hg | 82 (9.3) |
| | Beginning of Placebo treatment | Mean (Standard Deviation) mm Hg | 81 (9.1) |
| | Beginning of Drug Treatment | Mean (Standard Deviation) mm Hg | 82 (9.2) |
| <hr/> | | | |
| Add Baseline Measure | | | |
| Study Specific Characteristic [systolic blood pressure] <i>Units: mm Hg</i> | | | |
| <small>Measurements were taken at baseline, at beginning of 1st and 2nd intervention periods, and end of 1s...</small> | | | |
| <small>Modify/Delete</small> | | | |
| Edit | | <i>Entire study population</i> | |
| | At enrollment | Mean (Standard Deviation) mm Hg | 138 (21.2) |
| | Beginning of Placebo treatment | Mean (Standard Deviation) mm Hg | 138 (18.6) |
| | Beginning of Drug Treatment | Mean (Standard Deviation) mm Hg | 136 (19.7) |
| <hr/> | | | |
| Add Baseline Measure | | | |
| Study Specific Characteristic [weight] <i>Units: kg</i> | | | |
| <small>Modify/Delete</small> | | | |
| Edit | | <i>Entire study population</i> | |
| | Mean (Standard Deviation) kg | 65 (11.2) | |
| <hr/> | | | |
| 30 | | | |

| Baseline Measures | |
|---|-------------------------|
| | Entire Study Population |
| Number of Participants [units: participants] | 130 |
| Age [units: participants] | |
| <=18 years | 0 |
| Between 18 and 65 years | 130 |
| >=65 years | 0 |
| Age [units: years] Mean ± Standard Deviation | 40.3 ± 5.6 |
| Gender, [units: participants] | |
| Female | 60 |
| Male | 70 |
| diastolic blood pressure [units: mm Hg] Mean ± Standard Deviation | |
| At enrollment | 82 ± 9.3 |
| Beginning of Placebo treatment | 81 ± 9.1 |
| Beginning of Drug A treatment | 82 ± 9.2 |
| systolic blood pressure ^[1] [units: mm Hg] Mean ± Standard Deviation | |
| At enrollment | 138 ± 21.2 |
| Beginning of Placebo treatment | 138 ± 18.6 |
| Beginning of Drug A treatment | 136 ± 19.7 |
| weight [units: kg] Mean ± Standard Deviation | 65 ± 11.2 |

[1] Measurements were taken at baseline, at beginning of 1st and 2nd intervention periods, and end of 1st and 2nd intervention periods. Yielding baseline measurements for treatment with Placebo and Drug A.

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Data Elements: Outcome Measures

- Pre-specified Primary and Secondary Outcome Measures (from registry) - *Required*
 - Measure Title and Description
 - Unit of Measurement
 - Measure Time Frame
 - Measurement Type (e.g., Number, Median)
 - Measure of Dispersion, if continuous (e.g., Standard Deviation)
 - Data: For each arm of the trial
- “Other Pre-specified” and “Post-hoc” Outcomes

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Data Elements: Outcome Measures (cont.)

- Statistical Analyses
 - Which groups are being compared?
 - Test of non-inferiority? (Y/N)
 - If yes, other details
 - For each p-value provide
 - Name of test (e.g., Chi-squared, ANOVA)
 - Other details/comments
 - For each confidence interval provide
 - 95% confidence interval or other level
 - Name of estimate (e.g., OR, RR)
 - Value of estimate
 - Other details/comments

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Table 4. Clinical Outcomes According to Randomized Study Assignment

| | No. (%) | | HR (95% CI) | P Value* |
|----------------------|--------------------|------------------------|------------------|----------|
| | Placebo (n = 2885) | Pexelizumab (n = 2860) | | |
| Death | | | | |
| 30 days | 113 (3.92) | 116 (4.06) | 1.04 (0.80-1.35) | .78 |
| 90 days | 130 (4.51) | 141 (4.93) | 1.10 (0.86-1.39) | .45 |
| Death, shock, or CHF | | | | |
| 30 days | 265 (9.19) | 257 (8.99) | 0.98 (0.83-1.16) | .81 |
| 90 days | 293 (10.16) | 293 (10.24) | 1.01 (0.86-1.19) | .91 |
| CHF | | | | |
| 30 days | 116 (4.02) | 114 (3.99) | 0.99 (0.77-1.29) | .96 |
| 90 days | 139 (4.82) | 136 (4.76) | 0.99 (0.78-1.25) | .92 |
| Cardiogenic shock | | | | |
| 30 days | 98 (3.40) | 95 (3.32) | 0.98 (0.74-1.30) | .88 |
| 90 days | 100 (3.47) | 96 (3.36) | 0.97 (0.73-1.28) | .82 |
| Recurrent MI 90 days | 69 (2.39) | 87 (3.04) | 1.28 (0.93-1.75) | .13 |

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General Considerations: Precision

- Outcome Measure Title and Description
 - Name and description of measure must be informative to people not familiar with study
 - If categorized, need description of categories
- Units should directly reflect data in table
- Viewers of the table should be able to understand what the numbers represent

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| Add Outcome Measure | | | |
|--|---|---------|---------------------|
| <input type="checkbox"/> Posted | Primary Outcome: change in diastolic blood pressure ; Units: mm Hg [3 months] <i>Value at 3 months minus value at baseline.</i> <i>Safety Issue? No</i> | | |
| Modify/Delete | | | |
| Edit | | Placebo | Drug A |
| Number of Participants Analyzed | 65 | | 65 |
| Mean (95% Confidence Interval) mm Hg | -2.3 (-5.0 to 1.0) | | -4.9 (-8.2 to -3.0) |
| Number of Statistical Analyses: | 1 | | |
| Add Outcome Measure | | | |
| <input type="checkbox"/> Posted | Primary Outcome: change in systolic blood pressure ; Units: mm Hg [three months] <i>Value at 3 months minus value at baseline.</i> <i>Safety Issue? No</i> | | |
| Modify/Delete | | | |
| Edit | | Placebo | Drug A |
| Number of Participants Analyzed | 62 | | 60 |
| Mean (95% Confidence Interval) mm Hg | -2.1 (-4.8 to 0.2) | | -7.2 (-9.6 to -5.1) |
| Number of Statistical Analyses: | 1 | | |
| Add Outcome Measure | | | |
| <input type="checkbox"/> Not Posted | Secondary Outcome: plasma level of marker X ; Units: ng/L [three months] <i>Safety Issue? No</i> | | |
| Modify/Delete | | | |
| Add Outcome Measure | | | |
| <input type="checkbox"/> Not Posted | Secondary Outcome: change in weight ; Units: kg [three months] <i>Value at 3 months minus value at baseline.</i> <i>Safety Issue? No</i> | | |
| Modify/Delete | | | |

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| Posted | | Primary Outcome: change in diastolic blood pressure ; Units: mm Hg [3 months] | | | |
|--|---------------------------------|---|--|--------------|-------------------------|
| Add Arm/Group | | | | | |
| | | Placebo <i>Placebo administered twice dai... Modify/Delete</i> | Drug A <i>Drug A 25 mg administered twic... Modify/Delete</i> | | |
| Edit | Number of Participants Analyzed | 65 | 65 | | |
| Analysis Population Description | | Intent to treat analysis including only participants who had at least one post-baseline assessment. | | | |
| Create Categories | | Create Categories if you wish to report categorical data (e.g., low, medium, or high). | | | |
| change in diastolic blood pressure | | Placebo | | Drug A | |
| Edit | Mean | Mean | 95% Confidence Interval | Mean | 95% Confidence Interval |
| | <i>Units: mm Hg</i> -2.3 | -5.0 to 1.0 | -4.9 | -8.2 to -3.0 | |
| Add Statistical Analysis | | | | | |
| Edit | Statistical Analysis | Groups Compared: Placebo , Drug A Statistical Test of Hypothesis: P-Value: <0.04; Method: Other [Paired t-test] Method of Estimation: | | | |

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| ► Outcome Measures | |
|--|--|
| 1. Primary Outcome Measure: Change in Diastolic Blood Pressure | |
| Measure Type | Primary |
| Measure Name | Change in Diastolic Blood Pressure |
| Measure Description | Intent to treat analysis including only participants who had at least one post-baseline assessment. |
| Time Frame | 3 months |
| Safety Issue | No |
| Hide Details | |
| Population Description | |
| Explanation of how the number of participants for analysis was determined. Includes whether analysis was per protocol, intention to treat, or another method. Also provides relevant details such as imputation technique, as appropriate. | |
| Intent to treat analysis including only participants who had at least one post-baseline assessment. | |
| Reporting Groups | |
| | Description |
| Placebo | Placebo administered twice daily in either first intervention period or second intervention period. |
| Drug A | Drug A 25 mg administered twice daily in either first intervention period or second intervention period. |

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Measured Values

| | Placebo | Drug A |
|---|--------------------|---------------------|
| Number of Participants Analyzed | 65 | 65 |
| Change in Diastolic Blood Pressure <i>[units: mm Hg]</i> | -2.3 (-5.0 to 1.0) | -4.9 (-8.2 to -3.0) |
| Mean (95% Confidence Interval) | | |

Statistical Analysis 1 for Change in Diastolic Blood Pressure

| | |
|------------------------|---------------|
| Groups ^[1] | All groups |
| Method ^[2] | Paired t-test |
| P Value ^[3] | <0.04 |

[1] Additional details about the analysis, such as null hypothesis and power calculation:
125 patients required to detect 5 mm Hg difference in diastolic BP change, with 90% power. BP parameters not considered independent; 50% covariance assumed. Alpha level of 0.05.

[2] Other relevant information, such as adjustments or degrees of freedom:
No text entered.

[3] Additional information, such as whether or not the p-value is adjusted for multiple comparisons and the a priori threshold for statistical significance:
Two-sided

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Data Elements: Adverse Events (Optional)

- All Serious Adverse Events (if provided)
- Other Adverse Events (above a specified frequency threshold, if provided)
- Adverse Event Information
 - Name of Adverse Event
 - Organ System
 - Type of Assessment (systematic vs. spontaneous)
 - Data: Total and by trial arm

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Data Entry: Adverse Events

Adverse Event Term:
Source Vocabulary Name: Please enter the name and version for the term's source vocabulary, if any, (e.g., MeSH 2007, SNOMED CT 2007, ICD9CM_2007, MedDRA 10.0).

Organ System: **Assessment Type:**

-- Please Select --

- Blood and lymphatic system disorders
- Cardiac disorders
- Congenital, familial and genetic disorders
- Ear and labyrinth disorders
- Endocrine disorders
- Eye disorders
- Gastrointestinal disorders
- General disorders
- Hepatobiliary disorders
- Immune system disorders
- Infections and infestations
- Injury, poisoning and procedural complications
- Investigations
- Metabolism and nutrition disorders
- Musculoskeletal and connective tissue disorders
- Neoplasms benign, malignant and unspecified (incl cysts and polyps)
- Nervous system disorders
- Pregnancy, puerperium and perinatal conditions
- Psychiatric disorders

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Serious Adverse Events

| | Placebo | Drug A |
|---------------------------------------|---------|--------|
| Total over all serious adverse events | | |
| number of participants affected | 0 | 1 |
| Blood and lymphatic system disorders | | |
| Neutropenia | | |
| number of participants at risk | 65 | 65 |
| number of events | 0 | 1 |
| number of participants affected | 0 | 1 |

Frequency Threshold for Reporting Other Adverse Events: 5%

Other Adverse Events

| | Placebo | Drug A |
|-------------------------------------|---------|--------|
| Total over all other adverse events | | |
| number of participants affected | 5 | 10 |
| Gastrointestinal disorders | | |
| Nausea † | | |
| number of participants at risk | 65 | 65 |
| number of events | 7 | 12 |
| number of participants affected | 5 | 10 |

† Indicates events were collected by systematic assessment. All other events were spontaneously reported.

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Posted Results at ClinicalTrials.gov

Module 3



Quality Assurance Challenges

- Data tables will be the public representation of the study—must be clear and informative;
- NLM QA Focuses on:
 - Apparent Validity (when possible)
 - Meaningful Entries
 - Internal consistency/logic
 - Format

Problems with Early Entries

- Participant Flow
- Reporting Scales
- Defining Categories
- Reporting Time-to-Event Data
- Logical Errors in Table Construction and Illogical Units
- Lack of Detail in Outcome Measures
- Problems with Statistical Analyses

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<http://prsinfo.clinicaltrials.gov/fdaaa.html>

"Basic Results" Database

- [Common errors \(pdf\)](#) - overview of common types of errors identified in submitted records with "basic results"
- [Helpful hints \(pdf\)](#) - tips on entering results data, including three examples of common study models (parallel design, crossover design, and diagnostic accuracy studies), reporting measure types, including information on reporting outcomes measured with a scale.
- ["Basic Results" Data Element Definitions \(DRAFT\)](#) - details on the information that is entered about results via the PRS.
- [May 21, 2008 Federal Register Notice](#) - describes the public process for the expansion of ClinicalTrials.gov under FDAAA 801 (pdf).
- [Basic Results Provisions](#) - extracted from FDAAA 801.
- [Delayed Submission of Results](#) - information on submitting certifications or requests for extension

Expanded Registry

- [Data Element Definitions \(DRAFT\)](#) - details on the information that is entered via the PRS
- [NIH Fact Sheet](#) on registration at ClinicalTrials.gov under FDAAA 801
- [Guidance from NIH Office of Extramural Research](#):
 - [Clinical Trials Registration in ClinicalTrials.gov \(Public Law 110-85\): Competing Applications and Non-Competing Progress Reports \(NOT-OD-08-023\)](#)
 - [FAQs - Clinical Trials Registration in ClinicalTrials.gov](#)
 - [Guidance on New Law \(Public Law 110-85\) Enacted to Expand the Scope of ClinicalTrials.gov: Registration \(NOT-OD-08-014\)](#)
- [Certification of Compliance to FDA](#) - to accompany Drug, Biological Product, and Device applications or submissions

For specific questions or comments as this relates to the PRS, contact us at register@clinicaltrials.gov.

Participant Flow

- Number STARTED should be consistent with “Enrollment, Actual” in protocol section
 - Correct “Enrollment, Actual” (or explain inconsistencies in Pre-Assignment Details)
- If more than one Period, number COMPLETED for each Period must equal number STARTED for next Period (or comment must inserted to explain loss of participants)
- If “Milestones” are defined, number for each “Milestone” must be
 - Less than or equal to number STARTED Period (or number achieved previous Milestone)
 - Greater than or equal to number COMPLETED Period (or number achieved subsequent Milestone)

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BEFORE Revision (Public View)

Summary Protocol Section:

Actual Enrollment: 229
Study Start Date: June 2006
Study Completion Date: October 2007
Primary Completion Date: October 2007 (Final data collection date for primary outcome measure)

Actual enrollment (229) displayed in the protocol section does not match total number started in the basic results section (220 + 211 = 431)

Basic Results Section:

Participant Flow: Initial Treatment

| | Placebo | Drug X |
|---------------|---------|--------|
| STARTED | 220 | 211 |
| COMPLETED | 218 | 210 |
| NOT COMPLETED | 2 | 1 |

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BEFORE Revision (Public View)

Participant Flow: Overall Study

| | Placebo | Drug X |
|---------------------|---------|--------|
| STARTED | 301 | 299 |
| Received First Dose | 300 | 280 |
| COMPLETED | 298 | 295 |
| NOT COMPLETED | 3 | 4 |

Number of participants in a milestone ("Received First Dose") within a period cannot be less than the number COMPLETED (or greater than the number STARTED)

49

BEFORE Revision (Public View)

Participant Flow: First Period

| | Placebo | Drug X |
|---------------|---------|--------|
| STARTED | 301 | 299 |
| COMPLETED | 291 | 285 |
| NOT COMPLETED | 10 | 14 |

Number of participants STARTED in second period of Participant Flow needs to be the same as numbers COMPLETED in the first period

Participant Flow: Second Period

| | Placebo | Drug X |
|---------------|---------|--------|
| STARTED | 298 | 290 |
| COMPLETED | 288 | 278 |
| NOT COMPLETED | 10 | 12 |

50

Reporting Scales

51

How to Report a Scale

- Measure Title
 - Specific name of scale
 - Spell out acronyms
- Measure Description
 - Construct/Domain if not clear from Measure Title
 - e.g., pain, quality of life
 - Range and direction of scores (e.g., 0 is best; 10 is worst)
 - Optional: Type of scale
 - e.g., continuous, ordinal
- Unit of Measure
 - Use “participants,” if applicable (i.e., for categorical data)
 - Use “units on a scale” or “points on a scale,” if no other units (i.e., for continuous data)

52

BEFORE Revision (Public View)

Need information about these values (e.g., is "0" better or worse than "2"?)

Baseline Measures

| | Investigational Drug X |
|--|------------------------|
| GOG Performance Status [units: Score] | |
| 0 | 48 |
| 1 | 27 |
| 2 | 4 |

Need information about this scale

- Full Name
- Construct/domain
- Range and directionality

Are these the only possible scores?

Need to change to "participants" – data represent "number of participants" with a particular score

53

Defining Categories

54

How to Define a Category

- Provide informative Category Titles
- Typical characteristics
 - Mutually exclusive (non-overlapping) categories
 - Comprehensive categories, covering the full range of possible results
- For categories based on continuous measures, provide thresholds when possible
 - Especially for 2 categories (i.e., dichotomous measures)

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How to Define a Category (continued)

- If multichotomous or continuous data are converted to dichotomous, explain the algorithm
- Outcomes such as “improved” and “responders” are actually implied dichotomous categories that represent change over time
 - Best to report *both* possible outcomes (e.g., “improved” and “not improved”)
 - Necessary to explain the derivation of data
 - Provide time period of assessment
e.g., baseline & 6 weeks
 - E.g., How was it determined who was “improved” and “not improved”?

56

BEFORE Revision (Public View)

Secondary Outcome Measure: Nausea

| | |
|---------------------|--------------|
| Measure Type | Primary |
| Measure Name | Nausea |
| Measure Description | Nausea scale |
| Time Frame | 8 Weeks |
| Safety Issue | No |

Need to explain the scale:
• Range
• Directionality

Measured Values

| | Placebo | Investigational Drug X |
|-----------------------------|---------|------------------------|
| Number of Participants | 100 | 100 |
| Nausea [units: Improved] | 40 | 70 |

"Improved" is not a measurable unit

Report both possible outcomes as dichotomous categories:
"improved" and "not improved"

57

Reporting Time-to-Event Data

58

How to Report Time-to-Event Data

- Data can be reported as continuous (e.g., median survival) or as categorical (e.g., 5-year survival)
- If data collection is incomplete, a possible approach:
 - At a minimum, report number who reached the “event”
 - Report time of last measurement (use the Outcome Measure Time Frame data element)
 - E.g., Median length of follow up with range
 - Report preferred descriptive statistic for those who achieved the “event” (e.g., median time to event)
 - Do not use a statistic that cannot be computed (e.g., if median cannot be computed, report a different percentile or choose another metric)

59

BEFORE Revision (Public View)

Secondary Outcome Measure: Time to Relapse of a Mood Episode

| | |
|---------------------|-----------------------------------|
| Measure Type | Secondary |
| Measure Name | Time to Relapse of a Mood Episode |
| Measure Description | |
| Time Frame | 24 months |
| Safety Issue | No |

Needs description

Measured Values

| | Placebo | Investigational Drug X |
|---|----------------|------------------------|
| Number of Participants | 148 | 153 |
| Time to Relapse of a Mood Episode [units: Days] Median (Inter-Quartile Range) | 219 (83 to NA) | NA (73 to NA) |

Invalid entry

Logical Errors in Table Construction and Illogical Units

61

Logic of Outcome Measure Tables

- Define rows (measures or counts) and columns (arms or comparison groups) to be logically consistent
- Cells (data) represent measures or counts derived from participants within arms or groups
 - Measure Type (and Measure of Dispersion) needs to be consistent with data being reported
 - Unit of Measure must be consistent with values

62

BEFORE Revision (Public View)

Measured Values

| | Drug X, Week 10 | Drug X, Change from Week 10 to 18 |
|--|--------------------|--------------------------------------|
| Number of Participants | 88 | 80 |
| Treatment Satisfaction Questionnaire After 18 Weeks of Treatment [units: Score] Mean ± Standard Deviation | 81 ± 17.46 | 7.9 ± 12.16 |

Inconsistency between columns and rows: Measure "at week 10" and Measure "after 18 weeks of treatment"

63

BEFORE Revision (Public View)

Not informative

Primary Outcome Measure: Pharmacokinetics

| | |
|---------------------|------------------|
| Measure Type | Primary |
| Measure Name | Pharmacokinetics |
| Measure Description | |
| Time Frame | 6 Weeks |
| Safety Issue | No |

Not clear how to interpret this Outcome Measure table

- Time Frame: 6 Weeks
- Units: Weeks
- Outcome Data: 6

Measured Values

| | Investigation | Drug X |
|------------------------------------|---------------|--------|
| Number of Participants | 21 | |
| Pharmacokinetics [units: Weeks] | | 6 |

64

BEFORE Revision (Public View)

Measured Values

| | Intervention X | Control |
|---|----------------|---------------|
| Number of Participants | 28 | 27 |
| Hours Per Day of Sleep [units: Average Hours per Day Mean \pm Standard Deviation] | 823 \pm 92 | 864 \pm 106 |

Inconsistency between Units of Measure, "average hours per day," and Measure Data: value provided is greater than the total number of hours in a day

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Lack of Detail in Outcome Measures

66

Precision of Outcome Measure Information

- Outcome Measure Name, Description
 - Name and description of measure must be informative to people not familiar with study
 - If categorized, need description of categories
- Units should directly reflect data in the table
- Viewers of the table should be able to understand what the numbers represent

67

BEFORE Revision (Public View)

Secondary Outcome Measure: Potentially Clinically Significant Heart Rate

| | | |
|---------------------|--|--|
| Measure Type | Secondary | Indicates measure is "number of alerts" |
| Measure Name | New 24-Hour Holter Monitoring Alerts | |
| Measure Description | New Holter monitoring alerts are defined as those alerts that occurred post-randomization and were not present at baseline | 22 of what? • Alerts -or- • Participants |
| Time Frame | Visit 3 (Week 15) | |
| Safety Issue | Yes | |

Measured Values

| | Drug X | Drug Y, Low Dose | Drug Y, High Dose |
|---|--------|------------------|-------------------|
| Number of Participants | 174 | 194 | 174 |
| New 24-Hour Holter Monitoring Alerts [units: Participants] | 22 | 19 | 16 |

Indicates "number of participants"

68

BEFORE Revision (Public View)

Secondary Outcome Measure: Use of Community Health Resources

| | |
|---------------------|--|
| Measure Type | Secondary |
| Measure Name | Use of Community Health Resources |
| Measure Description | Evaluation of visits to primary care pediatrician, hospital emergency and re-hospitalization |
| Time Frame | Up to 3 months after discharge |
| Study Issue | No |

Implies number of health resources used – how was it measured?

• Data are inconsistent: percentages of what?
• Invalid entry: needs to be numerical (cannot include "%")

| Measured Values | Early Discharge | Standard Discharge |
|--|-----------------|--------------------|
| Number of Participants | 90 | 86 |
| Use of Community Health Resources [units: Number] | 4.4% | 10.5% |

69

BEFORE Revision (Public View)

Secondary Outcome Measure: Frequency and Magnitude of Antibody Response

| | |
|---------------------|--|
| Measure Type | Primary |
| Measure Name | Frequency and Magnitude of Antibody Response |
| Measure Description | Nasal secretions to Virus A/12 and B/14. Antibody Response: Three-fold increase after immunization |
| Time Frame | Visit 3 (Week 15) |
| Study Issue | Yes |

Same unit cannot represent measures of "frequency" and "magnitude"

May mean "three-fold or greater increase"

| Measured Values | Vaccine, Low Dose | Vaccine, High Dose |
|---|-------------------|--------------------|
| Number of Participants | 35 | 34 |
| Frequency and Magnitude of Antibody Response [units: Participants] | 17 | 21 |

"Participants" is not a unit of measure for "frequency" or "magnitude"

Best to provide both categories for a dichotomous measure:

- < 3x increase
- ≥ 3x increase

70

Problems with Statistical Analyses

71

BEFORE Revision (Public View)

Measured Values

| | Investigational Drug X |
|---|------------------------|
| Number of Participants | 96 |
| Response to Drug X [units: Participants] | |
| Complete Response | 2 |
| Partial Response | 18 |
| Stable Disease | 34 |
| Increasing Disease | 36 |
| Unevaluable | 6 |

Outcome Measure reported as categorical data (five categories of "response") but Statistical Analysis provided as dichotomous data ("Overall Response Rate = Number Responded / Total Participants")

Need information on how the 5 categories were "collapsed" into 2 (i.e., Which of 5 response categories were used in calculating the "Overall Response Rate"?).

Statistical Analysis 1 for Response to Drug X

| Groups | Investigational Drug X |
|-------------------------|------------------------|
| Overall Response Rate | 0.21 |
| 95% Confidence Interval | 0.12 to 0.33 |

72

BEFORE Revision (Public View)

Groups compared ("week 10" vs. "change from week 10 to 18") not a logical t-test

Measured Values

| | Drug X, Week 10 | Drug X, Change from Week 10 to 18 |
|---|-----------------|-----------------------------------|
| Number of Participants | 88 | 80 |
| Treatment Satisfaction Questionnaire After 18 Weeks of Treatment [units: Score] Mean ± Standard Deviation | 11 ± 17.46 | 7.9 ± 12.16 |

Statistical Analysis 1 for Treatment Satisfaction Questionnaire After 18 Weeks

| | |
|-------------------------|---|
| Groups | Drug X, Week 10 vs. Drug X, Change from Week 10 to 18 |
| Method | Paired t-test |
| P-Value | 0.0018 |
| na | 4.684 |
| 95% Confidence Interval | 0.080 to 7.730 |

Confidence Interval is not meaningful without an Estimation Parameter (e.g., mean difference, hazard ratio)

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BEFORE Revision (Public View)

Measured Values

| | Early Discharge | Standard Discharge |
|---|-----------------|--------------------|
| Number of Participants | 100 | 100 |
| Parental Stress [units: Points on a Likert Scale] Mean ± Standard Deviation | 9.3 ± 1.2 | 7.8 ± 2.1 |

Inconsistency between Measure Data and Method of Estimation

- Reported Mean Difference: "9"
- By Inspection: $9.3 - 7.8 = 1.5$

Statistical Analysis 1 for Parental Stress

| | |
|-----------------------|--|
| Groups | Early Discharge vs. Standard Discharge |
| Method | ANOVA |
| P-Value | 0.05 |
| Mean Difference (Net) | 9 |

74

Lessons Learned from Early Submissions of Basic Results

- Many iterations with the QA staff are necessary to reach minimal quality standards and to correct serious flaws
- **Data Providers must be able to understand the study design and data analysis**
 - Typically, the investigator and a statistician will need to be involved

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Finding Results at ClinicalTrials.gov

- From Homepage
 - Go to “Search for Clinical Trials”
 - Select “Advanced Search”
 - Select “Studies with Results” from the menu for the Study Results field
 - Select study record from results list
 - Click “Study Results” tab

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| | | |
|---|---|---|
| 1 | Completed Has Results | Ezetimibe (+) Simvastatin Versus Atorvastatin Comparative Study Condition: Hypercholesterolemia Interventions: Drug: ezetimibe (+) simvastatin; Drug: atorvastatin Sponsor: Merck |
| 2 | Completed Has Results | Bimatoprost 0.03% Versus Travoprost 0.004% in Patients Currently on Latanoprost 0.005% Conditions: Glaucoma; Ocular Hypertension Interventions: Drug: bimatoprost 0.03% eye drops; Drug: travoprost 0.004% eye drops Sponsor: Allergan |
| 3 | Completed Has Results | Reducing Depression in Dementia Caregivers Condition: Depression Interventions: Behavioral: Basic Education; Behavioral: Behavioral Skills Training; Experimental Sponsor: National Institute of Mental Health (NIMH) |
| 4 | Completed Has Results | The Effects of Gum Chewing on Math Scores in Adolescents Condition: Academic Achievement in Math Intervention: Behavioral: Gum Chewing Sponsors: Baylor College of Medicine; Children's Nutrition Research Center |
| 5 | Completed Has Results | The Beta Cell Responsiveness to Glucose-Dependent Insulinotropic Polypeptide (GIP) With and Without Sulfonylurea in Patients With Type 2 Diabetes Condition: Diabetes Mellitus, Type 2 Intervention: Drug: Sulfonylurea Sponsor: University Hospital, Gentofte, Copenhagen |
| 6 | Completed Has Results | Probiotics and Hospital Outcome in the Elderly Conditions: Diarrhea; Constipation Interventions: Dietary Supplement: VSL#3; Dietary Supplement: placebo Sponsor: Kaplan-Harzfeld Medical Center |

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Home Search Study Topics Glossary

Study 1 of 1 for search of: Studies With Results
[Return to Search Results](#)

Full Text View Tabular View Contacts and Locations **Study Results** Related Studies

Bimatoprost 0.03% Versus Travoprost 0.004% in Patients Currently on Latanoprost 0.005%

This study has been completed.

| | |
|--------------------------------|-------------|
| Sponsored by: | Allergan |
| Information provided by: | Allergan |
| ClinicalTrials.gov Identifier: | NCT00440011 |

► Purpose

Patients with glaucoma or ocular hypertension currently being treated with latanoprost 0.005%, and in need of additional IOP lowering, will be randomized to receive either bimatoprost 0.03% or travoprost 0.004% in place of latanoprost 0.005%.

| Condition | Intervention | Phase |
|---------------------------------|--|----------|
| Glaucoma Ocular Hypertension | Drug: bimatoprost 0.03% eye drops Drug: travoprost 0.004% eye drops | Phase IV |

Genetics Home Reference related topics: [early-onset glaucoma](#)

MedlinePlus related topics: [Glaucoma](#) [High Blood Pressure](#)

ChemIDplus related topics: [Latanoprost](#) [Tetrahydrozoline](#) [Tetrahydrozoline hydrochloride](#) [Travoprost](#) [Bimatoprost](#)

[U.S. FDA Resources](#)

Study Type: Interventional
Study Design: Treatment, Randomized, Single Blind (Investigator), Active Control, Parallel Assignment, Safety/Efficacy Study

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Study 1 of 1 for search of: Studies With Results
[Return to Search Results](#)

Full Text View Tabular View Contacts and Locations **Study Results** Related Studies

Bimatoprost 0.03% Versus Travoprost 0.004% in Patients Currently on Latanoprost 0.005%

This study has been completed.

Study NCT00440011. Last updated on September 25, 2008. Information provided by Allergan

| | |
|-----------------------|--|
| Study Type: | Interventional |
| Study Design: | Randomized, Single Blind (Investigator), Active Control, Parallel Assignment |
| Conditions: | Glaucoma Ocular Hypertension |
| Interventions: | Drug: bimatoprost 0.03% eye drops Drug: travoprost 0.004% eye drops |

► Participant Flow

Recruitment Details

Key information relevant to the recruitment process for the overall study, such as dates of the recruitment period and locations

No text entered.

Pre-Assignment Details

Significant events and approaches for the overall study following participant enrollment, but prior to group assignment

No text entered.

Reporting Groups

Additional Information

- Email LISTSERV and other FDAA information:
 - <http://prsinfo.clinicaltrials.gov/fdaaa.html>
- Other general information:
 - <http://prsinfo.clinicaltrials.gov>
- Questions?
 - prsinfo@clinicaltrials.gov