

## **Outcome Measures Module**

Results Database Train-the-Trainer Workshop September 2015



http://ClinicalTrials.gov

## FDAAA 801 - Outcomes

"...a table of values for each of the primary and secondary outcome measures for each arm of the clinical trial...including the results of scientifically appropriate tests of the statistical significance of such outcome measures."

[Sec. 282(j)(3)(C)(ii)]

FDAAA 801 = Section 801 of the Food and Drug Administration Amendments Act of 2007

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### **Publication**

"At week 52, no difference was noted in major clinical responses or partial clinical responses between the placebo group (15.9% had a major clinical response ...) and the rituximab group (12.4% had a major clinical response ...)"

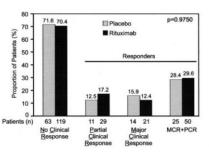


Figure 2A. Proportion of patients experiencing a major clinical response (MCR) ... at 52 weeks

## ClinicalTrials.gov

**Primary Outcome** Participants Achieving Either a Major Clinical Response (MCR) or Partial Clinical Response (PCR) Defined by British Isles Lupus Assessment Group (BILAG) Scores Over the 52-week Treatment Period

The BILAG Index is used for measuring Measure Description clinical disease activity in Systemic Lupus .. Baseline to 52 weeks

#### Measured Values

Measure

Frame

	Placebo + Prednisone	Rituximab + Prednisone
Number of Participants Analyzed	88	169
[units: participants]		
MCR (excluding PCR)	14	21
PCR	11	29
Nonclinical Response	63	119

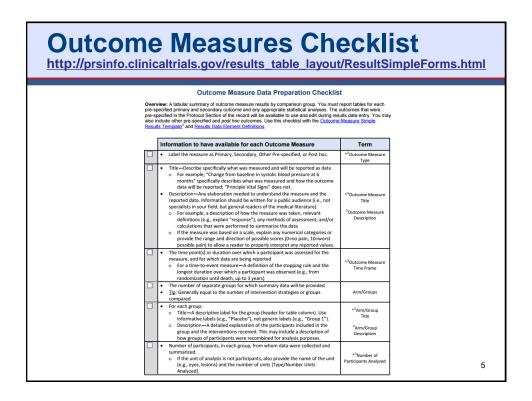
Adapted from Merrill JT et al. Arthrit Rheum 2010 and NCT00137969

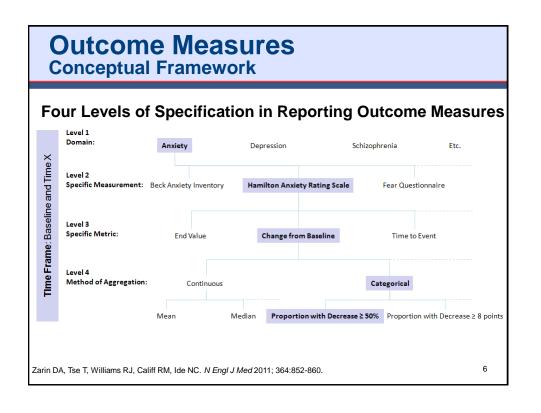
## **Outcome Measure Template**

http://prsinfo.clinicaltrials.gov/results\_table\_layout/ResultSimpleForms.html

* Outcome Measure 1	ype (Circle One) Primary	Secondary	Other Pre-specified	d Post-Hoc	Safety Issue?	(Circle One)	Yes No	
* Outcome Measure 1	itle							
Outcome Measure D	Description							
* Outcome Measure Time Frame								
	* Arm/Group Titl	e						
	Arm/Group Description (1							
	* Number of Participants Analyze	d						
	Analysis Population Descriptio	n						
* Measure Type	* Measure of Dispersion/Precision							
(Circle One)  Number Mean Median Least Squares Mean Geometric Mean Log Mean	(Circle One)  Not Applicable ② Standard Deviation Standard Error Inter-Quartile Range Full Range % Confidence interval Geometric Coefficient of Variation							
[*] Category Title ④			3		3		(3	
[*] Category Title ④			3		3		(3	
* Unit of Measure								

\* Required by ClinicalTrials.gov
[\*] Conditionally required by ClinicalTrials.gov





# **Specification of Outcome Measures in Protocol**

Level	Primary OMs (% Total) n=100
1 – Domain (only)	36%
2 – Specific Measurement	25%
3 – Specific Metric	26%
4 - Method of Aggregation	13%
Included Specific Timeframe	63%

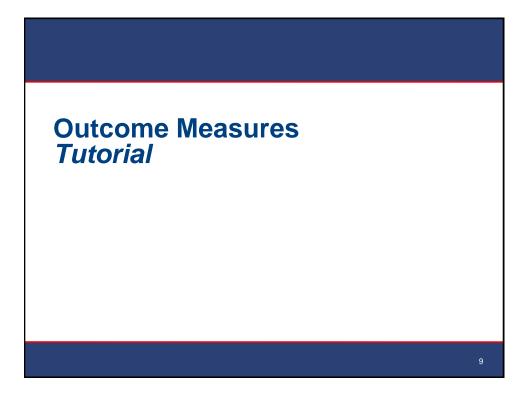
Zarin DA, Tse T, Williams RJ, Califf RM, Ide NC. N Engl J Med 2011; 364:852-860

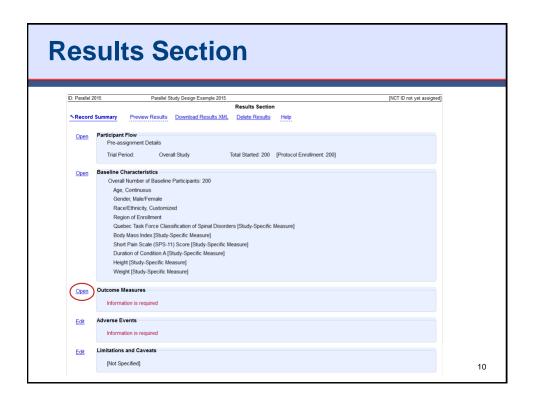
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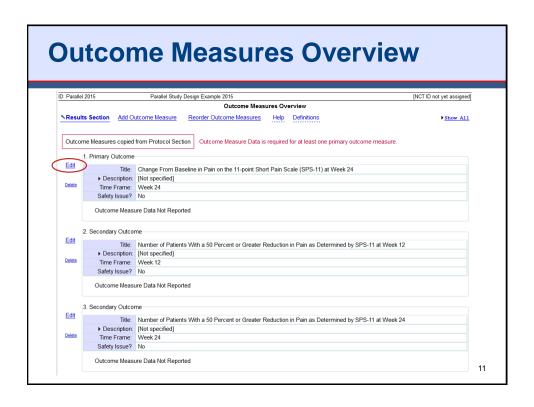
## **Best Practices**

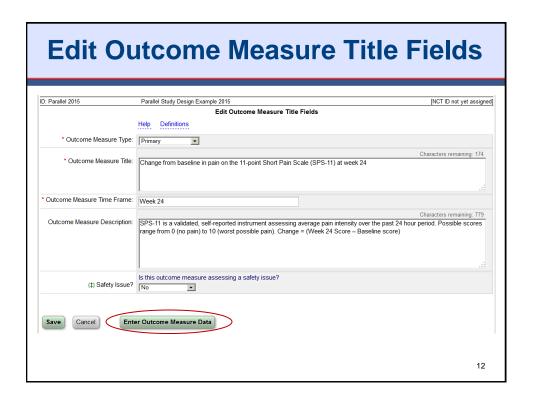
- If the Number of Participants Analyzed is not the same as a "row" in Participant Flow (Started, Completed, Other Milestone), describe the population in the Analysis Population Description
- Use multiple Outcome Measures to report results for the same measure at different time points
- If the reporting groups are different from Participant Flow, use Outcome Measure Arm/Group Title/Descriptions to explain and relate to Participant Flow Arm/Group Title/Descriptions

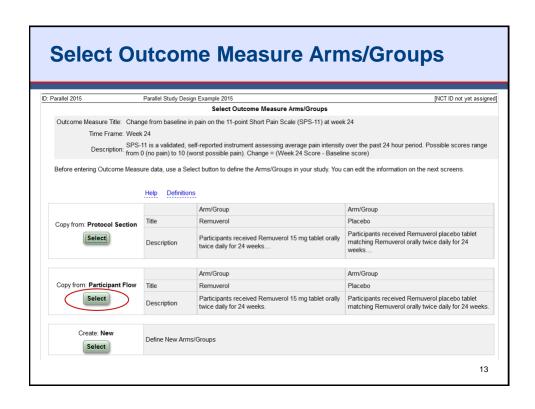
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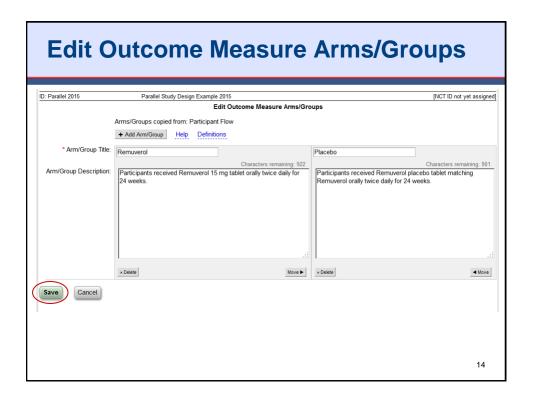


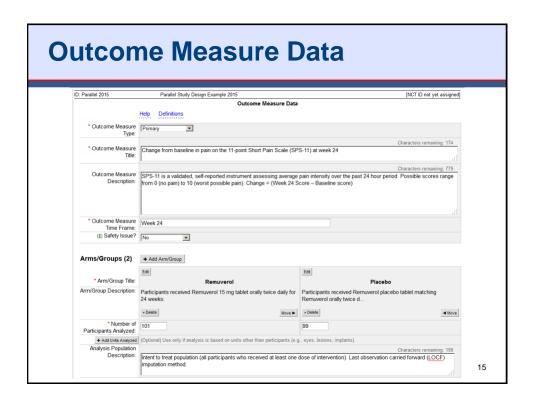


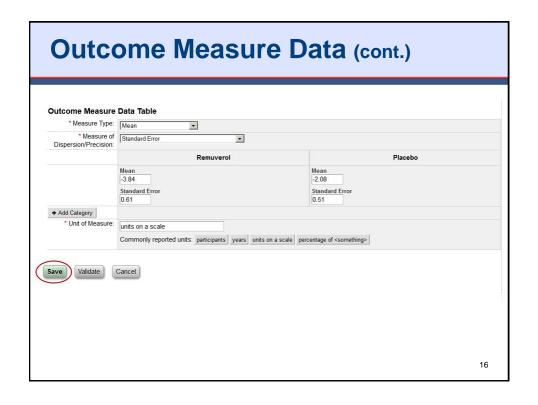


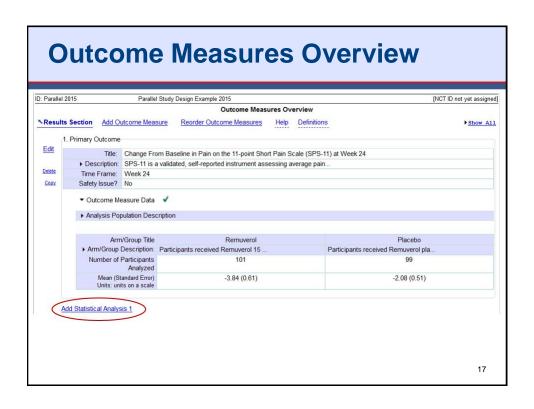


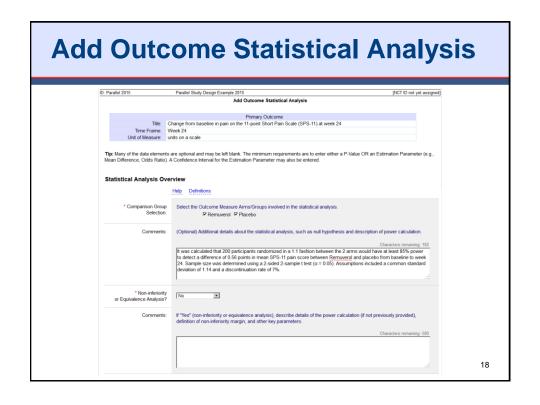


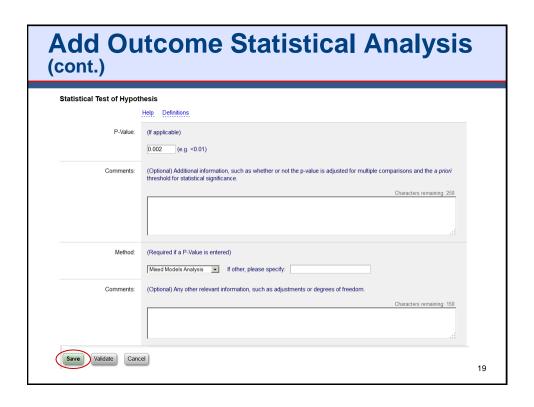


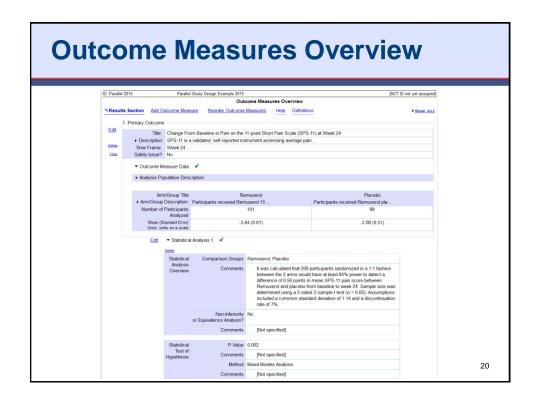












# **Enter Outcome Measures**

- Example Study Designs
  - Factorial
  - Crossover
  - Cluster Randomized
  - Dose Escalation
  - Multiple Period

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