Adverse Events Module September 2014



Adverse Events Module

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http://ClinicalTrials.gov

Outline

- Overview of Adverse Events (AE) module
- PRS data elements
- ClinicalTrials.gov review criteria
- Examples

Purpose

- The Adverse Events module is designed to summarize data regarding the serious and other (not including serious) adverse events that were collected during the study.
 - The module is not used for "real time" ("spontaneous") adverse event reporting while the study is ongoing
 - The module includes summary data at the end of the study

3

FDAAA* Provision

"A table of anticipated and unanticipated serious adverse events grouped by organ system, with number and frequency of such event in each arm of the clinical trial."

[Sec. 282(j)(3)(l)(iii)(l)]

*Food and Drug Administration Amendments Act of 2007

FDAAA Provision (cont'd)

"A table of anticipated and unanticipated adverse events that are not included in the [Serious Adverse Events] table...that exceed a frequency of 5 percent within any arm of the clinical trial, grouped by organ system, with number and frequency of such event in each arm of the clinical trial."

[Sec. 282(j)(3)(l)(iii)(ll)]

5

Journal Article Format

Primary safety assessment of the number of patients with severe, life-threatening, or fatal treatment-related toxicities.

Variable	(n = 47)	AmB+Fluc400 $(n = 48)$	AmB+Fluc800 (n = 45)
Related to either study drug			
Overall			
Patients with event	19 (40.4)	18 (37.5)	14 (31.1)
90% CI, % ^a	28.3-53.5	25.8-50.4	19.9-44.3
Pb		.573	.794
By severity ^c			
Severe	13 (27.6)	13 (27.1)	9 (20.0)
Life-threatening	6 (12.8)	5 (10.4)	5 (11.1)
Fatal	0	0	0
By relatedness ^c			
Probably related	16 (34.0)	16 (33.3)	12 (26.7)
Definitely related	3 (6.4)	2 (4.2)	2 (4.4)
Related to fluconazole			
Overall			
Patients with event	0	0	2 (4.4)
90% CI, % ^a	0.0-6.2	0.0-6.1	0.8-13.3
Pb		>.99	.098
By severity ^c			
Severe	0	0	1 (2.2)
Life-threatening	0	0	1 (2.2)
Fatal	0	0	0
By relatedness ^c			
Probably	0	0	2 (4.4)
Definitely	0	0	0

tered at a dosage of 400 mg; AmB+Fluc800, amphotericin B deoxycholate plus fluco zole administered at a dosage of 800 mg; CI, confidence interval.

^a CI based on exact binomial methods.

^b Descriptive P-value based on a 1-sided exact unconditional test for each combinat

therapy arm that compared the combination therapy arm with the standard arm usin procedures described in Suisas and Schuster [18].

6 If a patient experienced >1 event, the patient is counted only once for the most severe or most-related event.

Pappas PG, Chetchotisakd P, Larsen RA et al. Clin Infect Dis. 2009

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ClinicalTrials.gov Format

Time Frame	Reported Adverse Events (AEs) include events starting on or after Day 0 and on or before Day 100.
Additional Description	If a subject experienced more than 1 of a given AE, the subjects is counted only once for that AE. If a subject experienced more than one AE in a system organ class (SOC), the subject is counted only once in that SOC.

Reporting Groups

	Description
AmphoB Standard	Amphotericin B 0.7 mg/kg for 14 day followed by fluconazole 400 mg daily for 8 weeks. For subjects in the standard therapy arm whose Amphotericin B dose is continued beyond 14 days, fluconazole initiation will be delayed.
AmphoB+Fluc400	Amphotericin B 0.7 mg/kg and the randomized dose of fluconazole at 400 mg/day for the first 14 days, then the randomized dose of fluconazole at 400 mg/day respectively for an additional 8 weeks.
AmphoB + Fluc800	Amphotericin B 0.7 mg/kg and the randomized dose of fluconazole at 800 mg/day for the first 14 days, then the randomized dose of fluconazole at 800 mg/day respectively for an additional 8 weeks.

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ClinicalTrials.gov Format (cont'd)

Serious Adverse Events

	AmphoB Standard	AmphoB+Fluc400	AmphoB + Fluc800
Total, serious adverse events	1 H		
# participants affected / at risk	22/45 (48.89%)	17/47 (36.17%)	26/49 (53.06%)
Blood and lymphatic system disorders	N.		
Neutropenia ^{* 2}			
# participants affected / at risk	1/45 (2.22%)	0/47 (0.00%)	2/49 (4.08%)
Anaemia * 2	1 1 1		
# participants affected / at risk	2/45 (4.44%)	0/47 (0.00%)	0/49 (0.00%)
Thrombocytopenia * 2	W ×		
# participants affected / at risk	0/45 (0.00%)	0/47 (0.00%)	1/49 (2.04%)
Cardiac disorders			
Cardiac failure congestive ^{* 2}	0.00		
# participants affected / at risk	0/45 (0.00%)	0/47 (0.00%)	1/49 (2.04%)
Cardio-respiratory arrest * 2	200	3	
# participants affected / at risk	0/45 (0.00%)	0/47 (0.00%)	1/49 (2.04%)
# participants affected / at risk	0/43 (0.00 %)	0/47 (0.00%)	1/45 (2.04

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ClinicalTrials.gov Format (cont'd)

Frequency Threshold

Threshold above which other adverse events are reported 5%

Other Adverse Events

	AmphoB Standard	AmphoB+Fluc400	AmphoB + Fluc800
Total, other (not including serious) adverse events			
# participants affected / at risk	44/45	47/47	49/49
Blood and lymphatic system disorders			
Anaemia ^{* 1}			
# participants affected / at risk	21/45 (46.67%)	27/47 (57.45%)	24/49 (48.98%)
Thrombocytopenia ^{* 1}			
# participants affected / at risk	2/45 (4.44%)	4/47 (8.51%)	4/49 (8.16%)
Neutropenia ^{* 1}			
# participants affected / at risk	2/45 (4.44%)	1/47 (2.13%)	3/49 (6.12%)

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9

Data Elements Overall Adverse Event Module

- Time Frame
- Additional Description (about adverse event data collection)
- Source Vocabulary Name (e.g., MedDRA 8.0)
- Assessment Type
 - Systematic or Non-Systematic

Data Elements Serious Adverse Event (SAE) Table

- Arm/Group*
 - Title
 - Description
- Total Number Affected by any SAE*
- Total Number at Risk for SAE*

*Required by ClinicalTrials.gov

11

Data Elements SAE Table (cont'd)

- Adverse Event Term*
 - Adverse Event Term Additional Description
 - Organ System*
 - Select from list
 - Number of Affected Participants (# with SAE)*
 - Number of Events (SAEs)
 - If different from overall, per SAE term
 - · Number of Participants at Risk
 - Source Vocabulary Name
 - · Assessment Type

*Required by ClinicalTrials.gov

Data Elements Other Adverse Events Table

- Same data elements as SAE table plus:
 - Frequency Threshold for Reporting Other
 (Not Including Serious) Adverse Events*
 - Threshold must be less than or equal to 5 percent
 - Report other adverse events that exceed the specified frequency threshold (e.g., >5%) within any arm

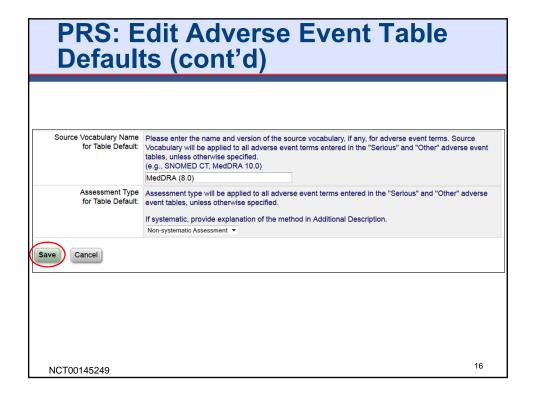
*Required by ClinicalTrials.gov

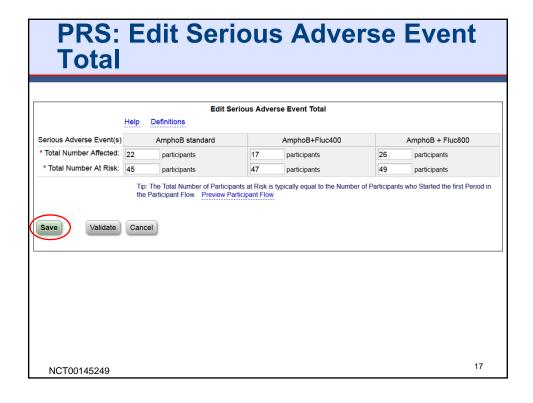
13

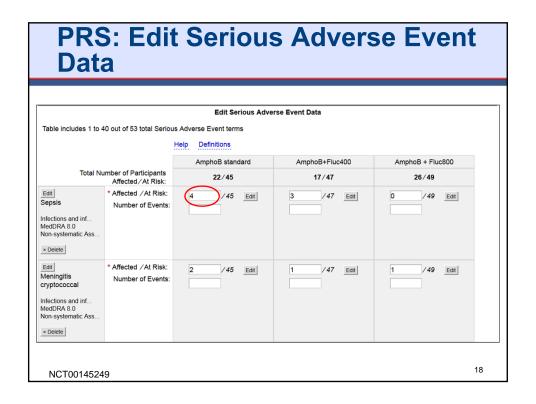
Basic Information Needed

Time Frame		
Additional Description		
	Arm Title*	Arm Title*
	Arm Description	Arm Description
Total # Participants with any AE*		
Total # Participants at Risk*		
		85-4
Adverse Event Term*	# with event/# at risk	# with event/# at risk
- Organ System (select from list)*		

PRS: Edit Adverse Event Table Defaults				
	Edit Adverse Event Table Defaults			
	Help Definitions			
Time Frame for Adverse Event Reporting:	Please provide description of period in which adverse event data were collected (e.g., 1 year, 6 months) Characters remaining: 19	58		
	Reported Adverse Events (AEs) include events starting on or after Day 0 and on or before Day 100.	.d		
Additional Description:	Characters remaining: 13	_		
	If a subject experienced more than 1 of a given AE, the subjects is counted only once for that AE. If a subject experienced more than one AE in a system organ class (SOC), the subject is counted only once in that SOC.			
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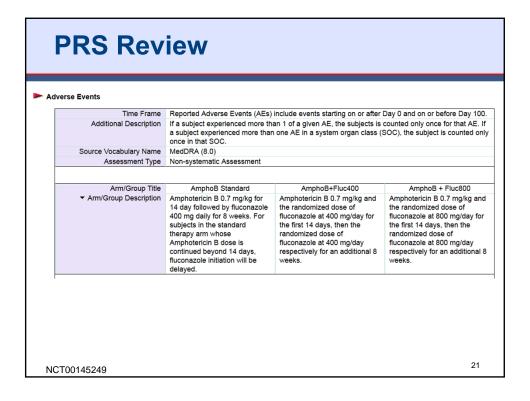
General Review Criteria

- Abbreviations are expanded first time used
- No spelling errors exist
- Arms/Groups
 - Informative Titles ("Arm/Group," "Period," "Milestone")
 - Arm/Group Descriptions are descriptive; contain information about the interventions administered (e.g., dosage, dosage form, frequency of administration) or groups evaluated
- Information is consistent with other sections of record (or discrepancies explained)
- No written results or conclusions

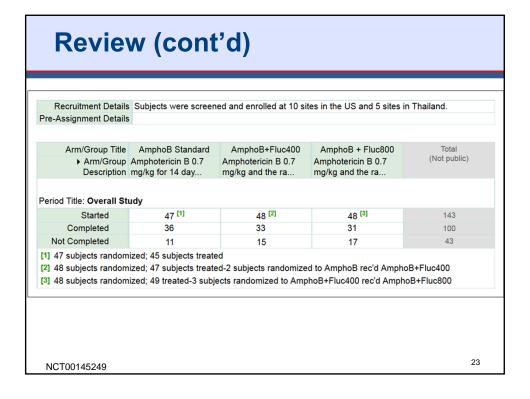
19

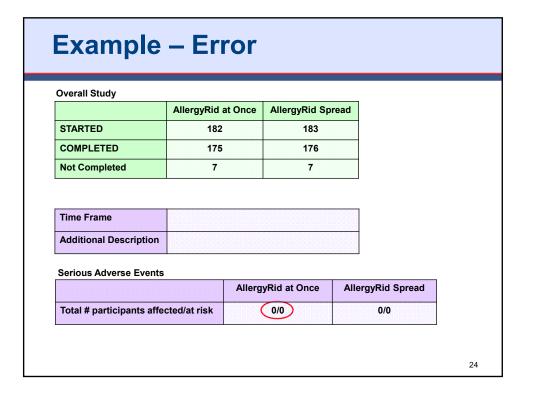
Specific Review Criteria

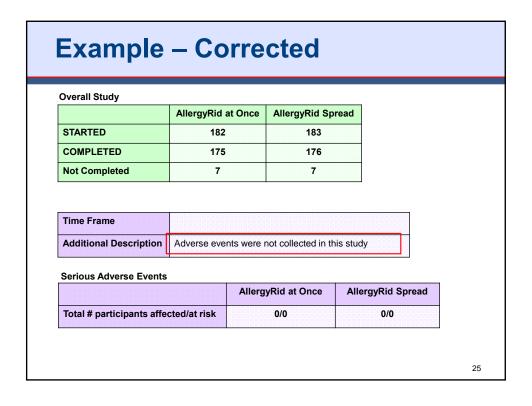
- Time Frame
 - If provided, is specific and understandable
- Additional Description
 - If provided, content is relevant to data element
- Number of Participants at Risk
 - Matches number STARTED or other row (Milestone) in Participant Flow module (or discrepancy is explained in Additional Description)



rious Adverse Events	AmphoB Standard	AmphoB+Fluc400	AmphoB + Fluc800
	Affected / at Risk (%)	Affected / at Risk (%)	Affected / at Risk (%)
Total	22/45 (48.89%)	17/47 (36.17%)	26/49 (53.06%)
ons Sepsis * A	4/45 (8.89%)	3/47 (6.38%)	0/49 (0%)
ons ··· Meningitis cryptococcal * A	2/45 (4.44%)	1/47 (2.13%)	1/49 (2.04%)
jiroveci pneumocystis	1/45 (2.22%)	2/47 (4.26%)	1/49 (2.04%)
ions Sinusitis * B	0/45 (0%)	0/47 (0%)	2/49 (4.08%)
AIDS related complication * B	0/45 (0%)	0/47 (0%)	1/49 (2.04%)







Example – Error 1. Primary Outcome Measure **Measure Title** Number of Participants Reporting Serious Adverse Events (SAE) Measure An SAE is any untoward medical occurrence that: results in death, is life-Description threatening, requires hospitalization, results in disability/incapacity, is a congenital anomaly/birth defect in the offspring of a study subject, or may evolve into one of the outcomes listed above. **Time Frame** Months 138, 150, 162, 174, and 186 after Day 0 **Measured Values** α-Strain Vaccine **Number of Participants Analyzed** 130 **Number of Participants Reporting Serious** (4)**Adverse Events** [units: participants]

Example – Error

Time Frame
Additional Description

Serious Adverse Events

	α-Strain Vaccine
Total # participants affected/at risk	6/135 (4.44%)
Cardiac disorders	
Acute myocardial infarction	1/135 (0.74%)
Vascular disorders	
Hypertension	1/135 (0.74%)
General disorders	
Pyrexia	4/135 (2.96%)
Renal and urinary disorders	
Urinary tract infection	2/135 (1.48%)
Vesicoureteric reflux	

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Additional Information

General ClinicalTrials.gov information:

http://clinicaltrials.gov

FDAAA-related information (see Submit Studies):

http://clinicaltrials.gov/manage-recs/fdaaa

Office of Extramural Research:

http://grants.nih.gov/Clinicaltrials_fdaaa/

Questions?

register@clinicaltrials.gov