

Figure 1. Screening form for literature

RAND EPC EPHEDRA PROJECT

SCREENER FORM

1. Article ID: _____
2. First Author: _____
(LAST NAME OF FIRST AUTHOR)
3. Reviewer: _____
4. Research topic: **CHECK ALL THAT APPLY**
Ephedra ☐
Ephedrine ☐
Pseudoephedrine ☐ (STOP)
Unclear ☐
Other (_____) .. ☐ (STOP)
5. Subject of article: **CHECK ALL THAT APPLY**
Weight Loss ☐
Athletic Performance ☐
Adverse Events ☐
Other (_____) .. ☐ (STOP)
6. Study population: **CHECK ALL THAT APPLY**
Human ☐
Animal ☐ (STOP)
Unclear ☐
Other (specify: _____) .. ☐ (STOP)
7. Study design: **CHECK ALL THAT APPLY**
Descriptive (historical, editorial etc.) ☐
Review/meta-analysis..... ☐
Randomized Clinical Trial..... ☐
Controlled Clinical Trial..... ☐
Case Series ☐
Case Report: medical literature... ☐
Case Report: popular literature ... ☐
Other (specify: _____) .. ☐
8. Does the intervention contain caffeine or
caffeine-containing herbs? **CIRCLE ONE**
Yes..... 1
No 2
Unclear 7
Not applicable..... 8
9. Language of article: **CIRCLE ONE**
English 1
Chinese..... 2
Japanese 3
Other (specify: _____) ... 4

Notes:

Figure 2. Quality review form for literature

RAND EPC EPHEDRA PROJECT

QUALITY REVIEW FORM

Article ID: _____	Reviewer: _____
First Author: _____ (Last Name Only)	
Study Number: ____ of ____ Description: _____ (Enter '1 of 1' if only one) (If more than one study)	

1. Design: **CIRCLE ONE**
- RCT 1
- CCT 2
- Other 3 (STOP)

(IF NOT RCT OR CCT, CHANGE STUDY DESIGN ON COVER SHEET AND STOP)

2. Were any adverse events mentioned?

CHECK ALL THAT APPLY		
CHECK OR CODE	CHECK IF SERIOUS	
Cardiovascular	<input type="checkbox"/> (01)	<input type="checkbox"/>
Death.....	<input type="checkbox"/> (02)	<input type="checkbox"/>
Endocrine	<input type="checkbox"/> (03)	<input type="checkbox"/>
Neurologic.....	<input type="checkbox"/> (04)	<input type="checkbox"/>
Psychiatric.....	<input type="checkbox"/> (05)	<input type="checkbox"/>
Pulmonary	<input type="checkbox"/> (06)	<input type="checkbox"/>
Renal.....	<input type="checkbox"/> (07)	<input type="checkbox"/>
Other:	(_____, _____, _____)	
No adverse events	<input type="checkbox"/> (96)	
None mentioned.....	<input type="checkbox"/> (97)	
Mentioned but not described.....	<input type="checkbox"/> (98)	

3. For articles on weight loss, is there a follow up of at least 8 weeks?

CIRCLE ONE

Yes 1

No..... 2 (STOP)

Not applicable 9

4. Is the study described as randomized? **CIRCLE ONE**

Yes 1

No..... 2

5. If the study was randomized, was method of randomization appropriate?

CIRCLE ONE

Yes 1

No..... 2

Method not described 8

Not applicable 9

Figure 2. Quality review form for literature (continued)
RAND EPC EPHEdra PROJECT

QUALITY REVIEW FORM

6. Is the study described as: **CIRCLE ONE**
 Double blind..... 1
 Single blind, patient 2
 Single blind, outcome assessment 3
 Open 4
 Blinding not described 8
 Not applicable..... 9
7. If reported, was the method of double blinding appropriate? **CIRCLE ONE**
 Yes..... 1
 No 2
 Double blinding method not described 8
 Not applicable..... 9
8. If study was randomized, did the method of randomization provide for concealment of allocation? **CIRCLE ONE**
 Yes..... 1
 No 2
 Concealment not described..... 8
 Not applicable..... 9
9. Are withdrawals (W) and dropouts (D) described? **CIRCLE ONE**
 Yes, reason described for **all** W and D 1
 Yes, reason described for **some** W and D 2
 Not described 8
 Not applicable..... 9
10. Is this a cross-over study design? **CIRCLE ONE**
 Yes..... 1
 No 2
 Not described 8
11. Are outcome data reported separately for or primarily on over 75% of any of the following populations? **CHECK ALL THAT APPLY**
 Race:
 African-Americans..... ☐ (01)
 Hispanic ☐ (02)
 Asian ☐ (03)
 Gender:
 Male ☐ (04)
 Female ☐ (05)
 Age:
 Adolescents (12-17) ☐ (06)
 Children (0-11) ☐ (07)
 Misc.:
 Athletes ☐ (08)
 Military ☐ (09)
 Other:
 (Enter code: _____, _____, _____, _____)

Figure 2. Quality review form for literature (continued)
RAND EPC EPHEdra PROJECT

QUALITY REVIEW FORM

12. What types of comorbidities are described in the groups?

CHECK ALL THAT APPLY

- Overweight/ Obesity (BMI > 27) ☐ (01)
Coronary Artery Disease ☐ (02)
Hypertension..... ☐ (03)
Neurological..... ☐ (04)
Psychiatric ☐ (05)
Asthma..... ☐ (06)
Gastrointestinal..... ☐ (07)
Diabetes..... ☐ (08)
Renal ☐ (09)
Other:
(Enter code: _____, _____, _____, _____)
Not described ☐ (98)

Figure 2. Quality review form for literature (continued)
RAND EPC EPHEdra PROJECT

QUALITY REVIEW FORM

Arm ____ of ____ Description _____

If the study has a control/usual care arm, enter that data in arm 1. Otherwise, enter data for the groups in order of first mention.

13. What type of arm is this? **CIRCLE ONE**
- Placebo.....1
- Usual care.....2
- Primary intervention.....3
- Other active treatment.....4

14. Is there a significant co-intervention?
- CHECK ALL THAT APPLY OR ENTER CODE**
- Diet ☐ (01)
- Exercise ☐ (02)
- Education ☐ (03)
- Other: (enter code ____ ____, ____ ____, ____ ____)
- No co-interventions ☐ (97)

15. What was the sample size in this arm?

_____, _____, _____, _____, _____
Entering _____ Completing _____
(ENTER 999,999 IF NOT REPORTED.)

16. What is the common, proprietary, and/or scientific (genus, genus/species) name of the product?

ENTER CODE OR CIRCLE ONE OF THE BELOW

Code: ____

None	97
Not described	98
Not applicable	99

17. Of which main constituents is the product made?

ENTER CODE OR CIRCLE ONE OF THE BELOW

Code: _____, _____, _____

None	97
Not described	98
Not applicable	99

18. Was chemical analysis performed on ephedrine alkaloids?

CIRCLE ONE

Yes.....	1
No	2
Not described	8
Not applicable.....	9

Figure 2. Quality review form for literature (continued)
RAND EPC EPHEDRA PROJECT

QUALITY REVIEW FORM

19. Intervention:

INTERVENTION	TOTAL DAILY DOSE	AMOUNT PER DOSE	UNITS	ROUTE OF ADMINISTRATION	DURATION	UNITS	EPHEDRINE ALKALOIDS
1 _____	_____	_____	_____	_____	_____	_____	_____
2 _____	_____	_____	_____	_____	_____	_____	_____
3 _____	_____	_____	_____	_____	_____	_____	_____
4 _____	_____	_____	_____	_____	_____	_____	_____
Enter code	Enter a number 998. ND 999. NA	Enter a number 998. ND 999. NA	1. µg 2. mg 3. gm 4. mg kg ⁻¹ 8. ND 9. NA	1. PO 2. IV 8. ND 9. NA	Enter a number 998. ND 999. NA	1. Hour 2. Day 3. Week 8. ND 9. NA	1. Included in total ephedrine alkaloids 2. In addition to ephedrine alkaloids 3. Unclear 8. ND 9. NA

20. Type of outcomes measured:

ENTER THE CODE FOR EACH OUTCOME MEASURED

21. When, relative to the start of the intervention, were outcomes reported?

ENTER THE NUMBER AND LETTERS IN THE APPROPRIATE BOX

	NUMBER	UNIT
1 st follow-up		
2 nd follow-up		
3 rd follow-up		
4 th follow-up		
5 th follow-up		
6 th follow-up		
Additional follow-ups:		

Use the following

abbreviations for units:

MI minute

HR hour

DY day

WK week

MO month

YR year

ND not described

NA not applicable

END

Figure 3a. Adverse events analysis form for death, MI, stroke cases
RAND EPC EPHEdra PROJECT

ADVERSE EVENTS ANALYSIS FORM

Article ID: _____ Reviewer: _____

FDA Case Number: _____

Form Number: _____ of _____ (Fill out one form for each subject)

1. Does adverse event form report on ephedra or ephedrine?

CIRCLE ONE

Yes..... 1

No/ Unsure.....2 (STOP)

(IF NOT EPHEdra/EPHEdrine THEN STOP)

2. Are there adequate data available to analyze this report?

CIRCLE ONE

Yes..... 1

No2 (STOP)

(IF NOT ADEQUATE DATA THEN STOP-

MUST BE A SERIOUS ADVERSE EVENT AND PRODUCT SPECIFICALLY IDENTIFIED)

3. What additional sources of data are available?

CHECK ALL THAT APPLY AND/OR ENTER CODE

FDA affidavit ☐ (01)

Medical records ☐ (02)

Legal documents ☐ (03)

Labels ☐ (04)

Other (.....) ☐ (96)

None of the above ☐ (97)

4. What was the adverse event? **CHECK ALL THAT APPLY AND/OR ENTER CODE**

(Start codes at 40)

Death ☐ (01)

MI ☐ (02)

CVA ☐ (03)

Other serious adverse event (enter code:)

Other (.....) ☐ (96)

None of the above ☐ (97) (STOP)

5. IF MI, what procedures were done? **CHECK ALL THAT APPLY**

Coronary angiography ☐ (01)

Revascularization ☐ (02)

6. IF MI, what was(were) the outcome of the procedure(s)?

No significant CAD ☐ (01)

< 3V CAD ☐ (02)

3V or LMD ☐ (03)

Low LVEF ($\leq 40\%$) ☐ (04)

Figure 3a. Adverse events analysis form for death, MI, stroke cases (continued)
RAND EPC EPHEDRA PROJECT **ADVERSE EVENTS ANALYSIS FORM**

7. IF STROKE, what is the outcome? **CIRCLE ONE**
 Complete resolution..... 1
 Minimally affected (still able to work)..... 2
 Moderately affected (more than one limb)..... 3
 Severely affected 4
 Not described 8
8. Who completed the adverse events form? **CIRCLE ONE**
 Physician / Health care provider..... 1
 Subject..... 2
 Subject surrogate 3
 Government agency 4
9. What was the age of the subject on the date report was made?
 Enter number: _____
10. What is the gender of the subject? **CIRCLE ONE**
 Male 1
 Female..... 2
 Not described 8
11. Why was the subject taking the product?
CHECK ALL THAT APPLY AND/OR ENTER CODE
 (Start codes at 4)
 Weight loss ☐ (01)
 Improved athletic performance ☐ (02)
 Psychological effect ☐ (03)
 Other: ... (enter code _____, _____, _____)
 Not described ☐ (98)
12. What was the source of the product? **CIRCLE ONE**
 Retail market..... 1
 Multi-level marketing/ out of home 2
 Direct from manufacturer..... 3
 Health care provider 4
 Other (_____) 6
 Not described 8
13. Was the product specifically identified? **CIRCLE ONE**
 Yes..... 1
 No 2
(IF NO THEN SKIP TO QUESTION 18)
14. What is the common, proprietary, and/or scientific (genus, genus/species) name of the product? **ENTER CODE OR CIRCLE ONE OF THE BELOW**
 Code: _____
 None 97
 Not described 98
 Not applicable 99

Figure 3a. Adverse events analysis form for death, MI, stroke cases (continued)
RAND EPC EPHEdra PROJECT **ADVERSE EVENTS ANALYSIS FORM**

15. Of which main constituents is the product made?

ENTER CODE FOR EACH OR CIRCLE ONE OF THE BELOW

Code: _____, _____, _____, _____

None 97

Not described 98

Not applicable 99

16. Was chemical analysis on ephedra alkaloids data presented?

CIRCLE ONE

Yes 1

No 2

Not described 8

Not applicable 9

17. Please fill in the following information on dosage data.

This information is from **analysis:** (**ENTER THE NUMBER AND CODES IN THE APPROPRIATE BOXES.**)

Dosage data	Number	Unit (code)
Total daily dose of ephedrine alkaloids		
Single dose of ephedrine alkaloids		
Total daily dose of caffeine		
Ratio caffeine/ephedrine alkaloids	:	

Codes for units:

µg 1

mg 2

gm 3

mgkg⁻¹ 4

ND 8

NA 9

18. Please fill in the following information on dosage data.

This information is from **label:** (**ENTER THE NUMBER AND CODES IN THE APPROPRIATE BOXES.**)

Dosage data	Number	Unit (code)
Total daily dose of ephedrine alkaloids		
Single dose of ephedrine alkaloids		
Total daily dose of caffeine		
Ratio caffeine/ephedrine alkaloids	:	

Codes for units:

µg 1

mg 2

gm 3

mgkg⁻¹ 4

ND 8

NA 9

19. What was the duration of ephedrine use? **CIRCLE ONE**

<48 hours 1

2-13 days 2

14-60 days (acute) 3

>60 days (chronic) 4

Not described 8

Figure 3a. Adverse events analysis form for death, MI, stroke cases (continued)
RAND EPC EPHEDRA PROJECT **ADVERSE EVENTS ANALYSIS FORM**

20. What was the timing of the last ephedrine dose? **CIRCLE ONE**
 <6 hours..... 1
 6-24 hours..... 2
 >24 hours..... 3
 Not described 8
21. Was the product used again after first adverse event? **CIRCLE ONE**
 Yes..... 1
 No 2
 Not described 8
 Not applicable..... 9
22. If product was used again after first adverse event, did the adverse event reoccur?
CIRCLE ONE
 Yes..... 1
 No 2
 Not described 8
 Not applicable..... 9
23. Was the subject actively involved in exercise at or immediately before the occurrence of the adverse event? **CIRCLE ONE**
 Yes 1
 No 2
 Not described 8
 Not applicable..... 9
24. Did form report on use of any other substances? **(CHECK ALL THAT APPLY AND ENTER CODE)**
 Caffeine (in addition to product) ☐
 Illicit drugs:..... ☐
 Code: _____ , _____ , _____ , _____ ,
 _____ , _____ , _____ , _____
 Other Herbs: ☐
 Code: _____ , _____ , _____ , _____ ,
 _____ , _____ , _____ , _____
 Prescribed or OTC medication: ☐
 Code: _____ , _____ , _____ , _____ ,
 _____ , _____ , _____ , _____
 Other substance: ☐
 Code: _____ , _____ , _____ , _____ ,
 _____ , _____ , _____ , _____
 Not described ☐
 None ☐

Figure 3a. Adverse events analysis form for death, MI, stroke cases (continued)
RAND EPC EPHEdra PROJECT **ADVERSE EVENTS ANALYSIS FORM**

25. Which of the following conditions were evaluated?

CHECK ALL THAT APPLY AND/OR ENTER CODE

(Start codes at 15)

Pre-existing condition:	PRESENT	EXCLUDED
Asthma.....	<input type="checkbox"/>	<input type="checkbox"/>
CAD	<input type="checkbox"/>	<input type="checkbox"/>
DM	<input type="checkbox"/>	<input type="checkbox"/>
HTN	<input type="checkbox"/>	<input type="checkbox"/>
Obesity.....	<input type="checkbox"/>	<input type="checkbox"/>
Renal disease.....	<input type="checkbox"/>	<input type="checkbox"/>
Substance abuse.....	<input type="checkbox"/>	<input type="checkbox"/>
Syncope.....	<input type="checkbox"/>	<input type="checkbox"/>
Thyroid condition	<input type="checkbox"/>	<input type="checkbox"/>
TIA History	<input type="checkbox"/>	<input type="checkbox"/>
Other vascular disease (.....)	<input type="checkbox"/>	<input type="checkbox"/>
Rheumatological diseases.....	<input type="checkbox"/>	<input type="checkbox"/>
Other (Enter code:)	<input type="checkbox"/>	<input type="checkbox"/>
Other (Enter code:)	<input type="checkbox"/>	<input type="checkbox"/>
Other (Enter code:)	<input type="checkbox"/>	<input type="checkbox"/>
Other (Enter code:)	<input type="checkbox"/>	<input type="checkbox"/>
Other (Enter code:)	<input type="checkbox"/>	<input type="checkbox"/>
Other (Enter code:)	<input type="checkbox"/>	<input type="checkbox"/>

26. Was a drug screen performed? **(CIRCLE ONE)**

Yes.....1

No2 **(STOP)**

27. Results of **URINE** screen:

(start codes at 03)

(CHECK ALL THAT APPLY)

No substance found..... ☐ (01)

Substance(s) found and identified: (Enter code(s)):

(_____ , _____ , _____ , _____ , _____ , _____)

Not described ☐ (98)

28. Results of **BLOOD** screen:

(start codes at 03)

(CHECK ALL THAT APPLY)

No substance found..... ☐ (01)

Substance(s) found and identified: (Enter code(s) below)

(_____ , _____ , _____ , _____ , _____ , _____)

Not described ☐ (98)

END

**Figure 3b. Adverse events analysis form for seizure cases
RAND EPC EPHEDRA PROJECT**

ADVERSE EVENTS ANALYSIS FORM

ID/ FDA Case Number: _____	Reviewer: _____
First Author: _____ (Last Name Only)	
Form Number: _____ of _____ (Fill out one form for each subject)	

1. Does this adverse event report use of ephedra or ephedrine?

CIRCLE ONE

Ephedra only 1
 No/ Unsure 2 (STOP)
 Ephedrine only 3
 Ephedra and Ephedrine 4

(IF NOT EPHEDRA/ OR EPHEDRINE THEN STOP)

2. Is a generalized (tonic-clonic) seizure reported as an adverse event
(synonym = grandmal seizure)?

CIRCLE ONE

Yes 1
 No, another type of seizure is reported 2 (STOP)
 No, seizure unspecified is reported 3 (STOP)
 No, seizure is not reported as an adverse event 9 (STOP)

(IF NO SEIZURE REPORTED THEN STOP)

3. For which evaluations are results reported as part of the evaluation
of the seizure?

CHECK ALL THAT APPLY

Serum electrolytes (must include Na) ☐
 Calcium ☐
 Magnesium ☐
 Glucose ☐
 CT/ MRI of head ☐
 EEG ☐
 Temperature ☐

4. Were the following pre-existing conditions specifically mentioned as present
or excluded?

Pre-existing condition: **NOT DESCRIBED** **PRESENT** **EXCLUDED**

Alcoholism ☐ ☐ ☐
 Substance Abuse ☐ ☐ ☐
 Seizure Disorder ☐ ☐ ☐

5. What was the age of the subject on the date the report was made?

Enter number: _____ (No Data = 99)

6. What is the gender of the subject?

Male 1
 Female 2
 Not described 8

Figure 3b. Adverse events analysis form for seizure cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

7. Why was the subject taking the product?

(Start codes at 04)

(CHECK ALL THAT APPLY AND/OR ENTER CODE)

Weight loss.....☐ (01)

Improved athletic performance☐ (02)

Psychological effect☐ (03)

Other:..... (enter code _____, _____, _____)

Not described☐ (98)

Figure 3b. Adverse events analysis form for seizure cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

Product: _____ of _____

Description: _____

8. What is the common, proprietary, and/or scientific (genus, genus/species) name of the product? **(ENTER CODE OR CIRCLE ONE OF THE BELOW)**

Code: _____

None.....97

Not applicable99

9. Of which main constituents is the product made?
(ENTER CODE FOR EACH OR CIRCLE ONE OF THE BELOW)

Code: _____ , _____ , _____ , _____ , _____

None.....97

Not applicable99

10. Was chemical analysis on ephedra alkaloids data presented?
(CIRCLE ONE)

Yes 1

No.....2

Ordered but not reported3

Not described8

Not applicable9

11. Please fill in the following information on dosage data.

This information is from **analysis:** **(ENTER THE NUMBER AND CODES IN THE APPROPRIATE BOXES.)**

Dosage data	Number	Unit (code)
Total daily dose of ephedrine alkaloids		
Single dose of ephedrine alkaloids		
Total daily dose of caffeine		
Ratio caffeine/ephedrine alkaloids	:	

Codes for units:

µg 1

mg 2

gm 3

mgkg⁻¹ 4

ND 8

NA 9

12. Please fill in the following information on dosage data.

This information is from **label:** **(ENTER THE NUMBER AND CODES IN THE APPROPRIATE BOXES.)**

Dosage data	Number	Unit (code)
Total daily dose of ephedrine alkaloids		
Single dose of ephedrine alkaloids		
Total daily dose of caffeine		
Ratio caffeine/ephedrine alkaloids	:	

Codes for units:

µg 1

mg 2

gm 3

mgkg⁻¹ 4

ND 8

NA 9

Figure 3b. Adverse events analysis form for seizure cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

13. What was the duration of ephedrine use? **(CIRCLE ONE)**
 <48 hours 1
 2-13 days 2
 14-60 days (acute) 3
 >60 days (chronic) 4
 Not described 8
14. What was the timing of the last ephedrine dose? **(CIRCLE ONE)**
 <6 hours 1
 6-24 hours 2
 >24 hours 3
 Not described 8
15. Was/were the product(s) discontinued after problematic symptoms emerged?
(CIRCLE ONE)
 Yes 1
 No 2
 Not described 8
 Not applicable 9
16. If product(s) was/were used again after discontinuation, did the problematic symptoms reoccur?
(CIRCLE ONE)
 Yes 1
 No 2
 Not described 8
 Not applicable 9
17. Did form report on use of any other substances?
(ENTER CODE OR CIRCLE)
 Code: _____ , _____ , _____ , _____ , _____
 _____ , _____ , _____ , _____ , _____
 None 97
 Not described 98
 Not applicable 99
18. Which of the following conditions were evaluated?
 (Start codes at 15) **(CHECK ALL THAT APPLY AND/OR ENTER CODE)**
 Pre-existing condition: **PRESENT EXCLUDED**
- | | | | |
|--------------------------------------|--------------------------|-------|--------------------------|
| Asthma | <input type="checkbox"/> | | <input type="checkbox"/> |
| CAD | <input type="checkbox"/> | | <input type="checkbox"/> |
| DM | <input type="checkbox"/> | | <input type="checkbox"/> |
| HTN | <input type="checkbox"/> | | <input type="checkbox"/> |
| Obesity | <input type="checkbox"/> | | <input type="checkbox"/> |
| Prior psychiatric history | <input type="checkbox"/> | | <input type="checkbox"/> |
| Renal disease | <input type="checkbox"/> | | <input type="checkbox"/> |
| Syncope | <input type="checkbox"/> | | <input type="checkbox"/> |
| Thyroid condition | <input type="checkbox"/> | | <input type="checkbox"/> |
| TIA History | <input type="checkbox"/> | | <input type="checkbox"/> |
| Other vascular disease (.....) | <input type="checkbox"/> | | <input type="checkbox"/> |
| Rheumatological diseases | <input type="checkbox"/> | | <input type="checkbox"/> |
| Not described | <input type="checkbox"/> | (98) | |

Figure 3b. Adverse events analysis form for seizure cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

19. Was a drug screen performed? (CIRCLE ONE)
Yes 1
No 2 (STOP)
20. Results of **URINE** screen:
(start codes at 03) (CHECK ALL THAT APPLY)
No substance found ☐ (01)
Substance(s) found and identified: (Enter code(s)):
(_____ , _____ , _____ , _____ , _____ , _____)
Not described ☐ (98)
21. Results of **BLOOD** screen:
(start codes at 03) (CHECK ALL THAT APPLY)
No substance found ☐ (01)
Substance(s) found and identified: (Enter code(s) below)
(_____ , _____ , _____ , _____ , _____ , _____)
Not described ☐ (98)

END

Figure 3c. Adverse events analysis form for psychiatric cases
RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

ID/ FDA Case Number: _____	Reviewer: _____
First Author: _____ (Last Name Only)	
Form Number: ____ of ____ (Fill out one form for each subject)	

1. Does this adverse event report use of ephedra or ephedrine? (CIRCLE ONE)
 - Ephedra only 1
 - No/ Unsure 2 (STOP)
 - Ephedrine only 3
 - Ephedra and Ephedrine 4

(IF NOT EPHEDRA/ OR EPHEDRINE THEN STOP)

2. Is there an adverse event? (CIRCLE ONE)
 - Yes 1
 - No 2 (STOP)

(IF NO ADVERSE EVENT THEN STOP)

3. Was the product specifically identified? (CIRCLE ONE)
 - Yes 1
 - No 2 (STOP)

(MUST BE A SERIOUS ADVERSE EVENT AND
PRODUCT SPECIFICALLY IDENTIFIED OR STOP)

4. What was the adverse event? (CHECK ALL THAT APPLY AND/OR ENTER TEXT)
 - Psychosis ☐ (06)
 - Mania or severe agitation ☐ (07)
 - Severe depression ☐ (08)
 - Suicidal ideation ☐ (09)
 - Suicide attempt/ Suicide ☐ (146)
 - Hallucinations ☐ (138)
 - Other serious psychiatric events: (enter below)
 - _____ ☐ (.)
 - _____ ☐ (.)
 - _____ ☐ (.)
 - _____ ☐ (.)
 - Other non-serious event: _____) ☐ (96) (STOP)
 - None of the above ☐ (97) (STOP)

Figure 3c. Adverse events analysis form for psychiatric cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

5. Is there a presence or history of the following conditions?

(CHECK ALL THAT APPLY AND/OR ENTER TEXT)

	PRESENCE	HISTORY (CODES)
Psychosis	<input type="checkbox"/>	<input type="checkbox"/> (01)
Mania or severe agitation.....	<input type="checkbox"/>	<input type="checkbox"/> (02)
Hallucinations	<input type="checkbox"/>	<input type="checkbox"/> (03)
Severe depression	<input type="checkbox"/>	<input type="checkbox"/> (04)
Suicide attempt	<input type="checkbox"/>	<input type="checkbox"/> (05)
Suicide ideation	<input type="checkbox"/>	<input type="checkbox"/> (06)
Schizophrenia	<input type="checkbox"/>	<input type="checkbox"/> (07)
Acute confusion.....	<input type="checkbox"/>	<input type="checkbox"/> (08)
Delusions	<input type="checkbox"/>	<input type="checkbox"/> (09)
Aggression/threatened violence.....	<input type="checkbox"/>	<input type="checkbox"/> (10)
Substance abuse	<input type="checkbox"/>	<input type="checkbox"/> (11)
Other conditions:		
_____	<input type="checkbox"/>	<input type="checkbox"/> ()
_____	<input type="checkbox"/>	<input type="checkbox"/> ()
_____	<input type="checkbox"/>	<input type="checkbox"/> ()
_____	<input type="checkbox"/>	<input type="checkbox"/> ()
_____	<input type="checkbox"/>	<input type="checkbox"/> ()
_____	<input type="checkbox"/>	<input type="checkbox"/> ()
_____	<input type="checkbox"/>	<input type="checkbox"/> ()
None described	<input type="checkbox"/>	(98)

6. What was the outcome of the event?

(CHECK ALL THAT APPLY)

Death	<input type="checkbox"/>
Harm to self/others	<input type="checkbox"/>
Hospitalization	<input type="checkbox"/>
ER Visit	<input type="checkbox"/>
On-going adverse event/disability.....	<input type="checkbox"/>
Resolved	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>
Not described	<input type="checkbox"/>

Figure 3c. Adverse events analysis form for psychiatric cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

7. What was intervention was prescribed after adverse event occurred?

(CHECK ALL THAT APPLY)

No procedure ☐

Discontinue Ephedra..... ☐

Change existing medication..... ☐

New medication..... ☐

Initiate/change frequency/intensity of outpatient visits... ☐

Hospitalization..... ☐

Involuntary hospitalization..... ☐

Legal action..... ☐

Not described..... ☐

Not applicable..... ☐

8. What was the age of the subject on the date report was made?

Enter number: _____ (No Data=99)

9. What is the gender of the subject?

(CIRCLE ONE)

Male..... 1

Female 2

Not described 8

10. Why was the subject taking the product?

(CHECK ALL THAT APPLY)

Weight loss..... ☐

Improved athletic performance ☐

Psychological effect ☐

Addiction ☐

Other:..... ☐

Not described ☐

11. Did report describe the use of any other substances or medications taken prior to/or during the event?

_____ ()

_____ ()

_____ ()

_____ ()

_____ ()

None described ☐ 98

Figure 3c. Adverse events analysis form for psychiatric cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

12. What is the common, proprietary, and/or scientific (genus, genus/species) name of the product? (ENTER TEXT OR CIRCLE ONE BELOW)

Name: _____ ()
None 97
Not described 98
Not applicable 99

13. Of which main constituents is the product made?
(Enter text or circle one below)

_____ ()
_____ ()
_____ ()
_____ ()
_____ ()
_____ ()
_____ ()
_____ ()
None 97
Not described 98
Not applicable 99

14. Was chemical analysis on ephedra alkaloids data presented?
(CIRCLE ONE)

Yes 1
No 2
Ordered but not presented 3
Not described 8
Not applicable 9

Figure 3c. Adverse events analysis form for psychiatric cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

15. Please fill in the following information on dosage data.

This information is from **analysis:** (ENTER THE NUMBER AND UNITS IN THE APPROPRIATE BOXES.)

Dosage data	Number	Unit	Unit Code
Total daily dose of ephedrine alkaloids			
Single dose of ephedrine alkaloids			
Total daily dose of caffeine			
Ratio caffeine/ephedrine alkaloids	:		

Codes for units:

μg 1
mg 2
gm 3
 mgkg^{-1} 4
ND 8
NA 9

16. This information is from **label:** (ENTER THE NUMBER AND UNITS IN THE APPROPRIATE BOXES.)

Dosage data	Number	Unit	Unit Code
Total daily dose of ephedrine alkaloids			
Single dose of ephedrine alkaloids			
Total daily dose of caffeine			
Ratio caffeine/ephedrine alkaloids	:		

Codes for units:

μg 1
mg 2
gm 3
 mgkg^{-1} 4
ND 8
NA 9

17. What was the duration of ephedra/ephedrine use? (CIRCLE ONE)

<48 hour 1
2-13 days 2
14-60 days (acute) 3
>60 days (chronic) 4
60 days to 1 year 5
Over 1 year 6
Not described 8

18. What was the timing of the last ephedra/ephedrine dose?(CIRCLE ONE)

<6 hours 1
6-24 hours 2
>24 hours 3
Not described 8

19. Was/were the product(s) discontinued after problematic symptoms emerged? (CIRCLE ONE)

Yes 1
No 2
Not described 8
Not applicable 9

Figure 3c. Adverse events analysis form for psychiatric cases (continued)

RAND EPC EPHEDRA PROJECT

ADVERSE EVENTS ANALYSIS FORM

20. If product(s) was/were used again after discontinuation, did the
problematic symptoms reoccur? (CIRCLE ONE)

Yes 1

No 2

Not described 8

Not applicable 9

21. Was autopsy performed? (CIRCLE ONE)

Yes 1

No 2

Not Applicable 9

22. Was drug screen performed? (CIRCLE ONE)

Yes 1

No 2 (STOP)

23. Results of URINE screen: (CHECK ALL THAT APPLY AND/OR ENTER TEXT)

No substance found ☐ (01)

Substance(s) found and identified:

..... ()

..... ()

..... ()

..... ()

..... ()

..... ()

Not described ☐ (98)

21. Results of **BLOOD** screen:(check all that apply and/or enter text)

No substance found ☐ (01)

Substance(s) found and identified:

..... ()

..... ()

..... ()

..... ()

..... ()

..... ()

Not described ☐ (98)

END

Figure 4. Brief data collection form for case reports
RAND EPC EPHEDRA PROJECT

BRIEF FORM FOR CASE REPORTS

Article ID: _____ Reviewer: _____
 FDA Case Number: _____
 Form Number: _____ of _____ (Fill out one form for each subject)

1. Does adverse event form report on ephedra or ephedrine?

CIRCLE ONE

Yes 1
 No/ Unsure 2 (STOP)
 (IF NOT EPHEDRA/EPHEDRINE THEN STOP)

2. What was the adverse event?

CHECK ALL THAT APPLY

Death..... ☐ (01)

Cardiovascular:

Heart rate, >120 or <50 ☐ (02)
 Hypertension, Systolic >180 or Diastolic >105 ☐ (03)
 MI ☐ (04)
 Ventricular tachycardia/ fibrillation ☐ (05)
 Cardiac arrest..... ☐ (06)

Pulmonary:

Respiratory arrest..... ☐ (07)

Neurological:

TIA..... ☐ (08)
 CVA ☐ (09)
 Brain Hemorrhage, not CVA ☐ (10)
 Fainting / Loss of consciousness ☐ (11)
 Coma..... ☐ (12)
 Seizure ☐ (13)
 Paralysis..... ☐ (14)

Psychiatric:

Severe depression ☐ (15)
 Hallucinations ☐ (16)
 Mania or severe agitation..... ☐ (17)
 Psychosis ☐ (18)
 Suicide ☐ (19)

Other adverse events:

Changes in glucose <40 or >400 ☐ (20)
 Liver failure ALT/AST >200 ☐ (21)
 Rhabdomyolysis CPK >400 ☐ (22)
 Miscarriage..... ☐ (23)
 Serious renal event ☐ (25)
 Autonomic Hyperactivity..... ☐ (26)
 None of the above ☐ (24)

Figure 5. Examples of MIPER Files

5a. Email record of a telephone conversation

From: Redacted
Posted At: Monday, November 29, 1999 8:23 AM
Conversation: Redacted menstrual irreg
Posted To: Medical Group

Subject: Redacted menstrual irreg

Sensitivity: Private

Categories: Menstrual Irregularity

Redacted

27 yrs 210 lbs

customer reports taking 1 1/2 caps tid ac for 1 month - eats adequate, drinks qs - now experiencing menstrual irreg an is 5 days late for her cycle
recommended contact gyn and discuss whether to continue taking- may be able to just decrease to 1 or 1 1/2 caps a day or may need to completely stop- be sure to continue to eat 3 healthy high protein meals qd and drink 64 oz of water

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MIPER015121

Figure 5. Examples of MIPER Files (continued)

5b. Typed or handwritten letter from the consumer to the company

Dear Sir,
I tried Metabolife & got a
bad rash. I went to the doctor & he
gave me some medication. I waited over
a month & tried again & the rash came
back. I hope its not to late for a refund
Lorvy

REDAI

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MIPER020990

Figure 5. Examples of MIPER Files (continued)

5c. Handwritten note of telephone conversation with consumer written on a rudimentary form. Note more than one case is recorded on a single MIPER file.

HEALTH INFORMATION CALL DOCUMENTATION

DATE 11/2/99

Name (A) Age 32 Weight 164 Phone#
 # of caps qd 2 Timing tid Duration 3 days (2nd time on product)
 Side effect? indigestion Breakfast intake
 Lunch / per diet / protein
 Dinner / fake meat & food
 Water intake 8 gals. Caffeine intake
 Medications 8 gals. Medical history/similar symptoms
 Exercise Other pertinent info / desired # does not want
 Recommendations 5'2" wife to know.

(*) Name Age 23 Weight 136 Phone#
 # of caps qd 2 Timing bid Duration 1 month (7 wks)
 Side effect? 0 wt. loss Breakfast intake Bayel / coffee
 Lunch fruit
 Dinner meat.
 Water intake 90 oz. Caffeine intake juice
 Medications 1000 mg. Medical history/similar symptoms
 Exercise Other pertinent info
 Recommendations ↑ protein, ↓ website.

(*) Name Age 18 Weight 170 5'3" Phone#
 # of caps qd 1.5 Timing tid bid Duration 5 days 8
 Side effect? Constipated Breakfast intake soups energy
 Lunch diet food
 Dinner
 Water intake 4-6 Caffeine intake
 Medications BCP Medical history/similar symptoms
 Exercise Other pertinent info
 Recommendations

Name (A) Age Weight Phone#
 # of caps qd 1 Timing bid Duration 2 days
 Side effect? kidney pain Breakfast intake adequate low protein / low carbs.
 Lunch /
 Dinner
 Water intake 4-6 Caffeine intake Decaf. Chocolate coffee
 Medications BCP Medical history/similar symptoms
 Exercise Other pertinent info STOPPED / consulted MD.

Orange color urine & subsided after stopped.
 Return for refund.

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 CONFIDENTIAL & NON RESPONSIVE REDACTION

MIPER022677

Figure 5. Examples of MIPER Files (continued)

5d. Handwritten note of telephone conversation with consumer written on a piece of paper

Friday
May
1998

1
William A2

7:00	3 hrs - chest
7:30	arm, hand numb
8:00	Stunned
8:30	husband - came home
9:00	took to clinic -
9:30	hospital - HT
10:00	EKG -
10:30	angioplasty -
11:00	Cardiac med
11:30	continued
12:00	blood plasma
12:30	
1:00	Zestil
1:30	isosorbide
2:00	plavix
2:30	ASA
3:00	
3:30	told MD - in hospital
4:00	had not told MD
4:30	
5:00	

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MIPER024166

Figure 5. Examples of MIPER Files (continued)

5e. A form developed for systematically collecting information about possible adverse events

<i>Nurses Database - Caller Info</i>									
<i>First Name</i>	Redacted		<i>AGE(years)</i>	0	<i>Current Dose</i>	1	<i>Times per day</i>	1	
<i>Last Name</i>			<i>WT(LBS)</i>	180	<i>Suggested Dose</i>	0.5	<i>SD Times per day</i>	BID	
			<i>HT(INCHES)</i>	0	<i>TIME ON METABOLIFE</i>	1	<i>UNITS</i>	DAYS	
<i>USER</i>	cela		<i>D/C met use</i>	<input type="checkbox"/>	<i>Chinac formula</i>	<input type="checkbox"/>	<i>formula</i>		
<i>Date</i>	11/1/199	<i>Time</i> 8:36:27 A	<i>Refund Policy Reviewed</i>	<input type="checkbox"/>	<i>356 +Chinac</i>	<input type="checkbox"/>			
<hr/>									
<i>Recommendations</i>									
<i>Current Water Intake oz</i>	<i>Caffeine Intake</i>	<i>Current Diet</i>	<i>Increase Water</i>	<i>High Protein</i>	<i>Other Recommendations</i>				
64	0	low protein breakfasts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	start slowly, inc fiber, try with meals, if sx recur, stop, see PCP				
<input type="checkbox"/> <i>Ok to call back</i>	<input type="checkbox"/> <i>Do not call back</i>	<input type="checkbox"/> <i>Customer Understand Recommendation</i>	<input type="checkbox"/> <i>Eat w/10min to 1hr</i>						
<input type="checkbox"/> <i>Usage Guidelines Sent</i>	<input type="checkbox"/> <i>Declined Usage Guidelines</i>	<input type="checkbox"/> <i>Customer to Call Meta PR</i>	<input type="checkbox"/> <i>Ate After 1hr</i> <input type="checkbox"/> <i>Did Not Eat</i>						
64	0	low protein breakfasts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	start slowly, try with meals, if sx recur, stop, see PCP				
<input type="checkbox"/> <i>Ok to call back</i>	<input type="checkbox"/> <i>Do not call back</i>	<input type="checkbox"/> <i>Customer Understand Recommendation</i>	<input type="checkbox"/> <i>Eat w/10min to 1hr</i>						
<input type="checkbox"/> <i>Usage Guidelines Sent</i>	<input type="checkbox"/> <i>Declined Usage Guidelines</i>	<input type="checkbox"/> <i>Customer to Call Meta PR</i>	<input type="checkbox"/> <i>Ate After 1hr</i> <input type="checkbox"/> <i>Did Not Eat</i>						
<hr/>									
<input type="checkbox"/> Abdominal Pain	<input type="checkbox"/> Dizziness	<input type="checkbox"/> Irregular Heartbeat	<input type="checkbox"/> Pregnancy on BCP						
<input type="checkbox"/> Abnorm Lab Values	<input type="checkbox"/> Dry Mouth	<input type="checkbox"/> Irritability	<input type="checkbox"/> Pruritis						
<input type="checkbox"/> Acne	<input type="checkbox"/> Edema	<input type="checkbox"/> Joint Pain	<input type="checkbox"/> Psychosis						
<input type="checkbox"/> Addiction	<input type="checkbox"/> Elevated Liver Functions	<input type="checkbox"/> Joint Stiffness- General	<input type="checkbox"/> Rash						
<input type="checkbox"/> Anesthesia Complication	<input type="checkbox"/> Excitation	<input type="checkbox"/> Joint Stiffness - Local	<input type="checkbox"/> Seizure						
<input type="checkbox"/> Anxiety	<input type="checkbox"/> Eye Twitching	<input type="checkbox"/> Joint Swelling - General	<input type="checkbox"/> Sexual Dysfunction						
<input type="checkbox"/> Back Pain	<input type="checkbox"/> Facial Swelling	<input type="checkbox"/> Joint Swelling - Local	<input type="checkbox"/> Shortness of Breath						
<input type="checkbox"/> Bloating/Gas	<input type="checkbox"/> Fatigue	<input type="checkbox"/> Kidney Stones	<input type="checkbox"/> Stroke						
<input type="checkbox"/> Blood in Stool	<input type="checkbox"/> Fever	<input type="checkbox"/> Liver Enzyme Elevation	<input type="checkbox"/> Sweating						
<input type="checkbox"/> Blood in Urine	<input type="checkbox"/> Fluid Retention	<input type="checkbox"/> Menstrual Irregularity	<input type="checkbox"/> Tachycardia						
<input type="checkbox"/> Breast Pain	<input type="checkbox"/> Glaucoma	<input type="checkbox"/> Mood Swings	<input type="checkbox"/> Tingling Hands						
<input type="checkbox"/> Bristling	<input type="checkbox"/> Hair Loss	<input type="checkbox"/> Muscle Cramps -General	<input type="checkbox"/> Tinnitus						
<input type="checkbox"/> Chest Pain	<input type="checkbox"/> Headache	<input type="checkbox"/> Muscle Cramps - Leg	<input checked="" type="checkbox"/> Tremors						
<input type="checkbox"/> Chills	<input type="checkbox"/> Heart Burn	<input type="checkbox"/> Myocardial Infarction	<input type="checkbox"/> Urinary Infection						
<input type="checkbox"/> Cold Hands	<input type="checkbox"/> High Blood Pressure	<input type="checkbox"/> Nausea	<input type="checkbox"/> Urine Retention						
<input type="checkbox"/> Constipation	<input type="checkbox"/> Hives	<input type="checkbox"/> NoseBleeds	<input type="checkbox"/> Vasodilation						
<input type="checkbox"/> Cough	<input type="checkbox"/> Hypertension	<input type="checkbox"/> Numbness	<input type="checkbox"/> Vision Disturbance						
<input type="checkbox"/> Death	<input type="checkbox"/> Hypoglycemia	<input type="checkbox"/> Palpitations	<input type="checkbox"/> Vomiting						
<input checked="" type="checkbox"/> Diarrhea	<input type="checkbox"/> Insomnia	<input type="checkbox"/> Parestias	<input type="checkbox"/> Yeast Infection						
<hr/>									
<i>Other/Comments:</i>									
<input type="checkbox"/> Medical Release Form Sent <input type="checkbox"/> Customer Denies any other signs or Symptoms <input type="checkbox"/> No Weight Loss/Gain									

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MIPER018211

Figure 6. Example of duplicate case

From: Cela Nash
Posted At: Thursday, June 03, 1999 11:35 AM
Conversation: REDACTED Seizure
Posted To: Medical Group

Subject: REDACTED Seizure

Categories: Seizure

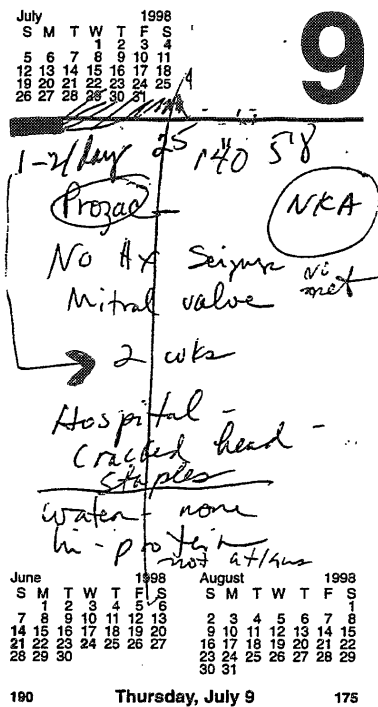
25 yr old female, 5'8", 145 lbs, had been taking 1-2 met tabs per day for the last 2 weeks for energy. Had a seizure, fell and injured head, went to hospital, staples and sutures placed in head. No hx epilepsy, or family hx. Has mitral valve prolapse. Nka. Taking prozac daily; had read label, noted that met not to be taken with maos, no mention of ssris. Water, caffeine, protein intake all within guidelines. she is a nutrition/fitness professional, has taken other ephedrine products without problems, but not at the same time as prozac. Has d/c'd met. Inst that met works by stimulating cns, can lower seizure threshold. Her eeg test is pending.

REDACTED

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MIPER016897

Figure 6. Example of duplicate case (continued)



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REDACTED

MIPER024209

Figure 7. Metabolife record screener form

Case Number: _____	Reviewer: _____
Form Number: ____ of ____ (Fill out one form for each subject)	

1. Subject's age: _____ (Not Described =999)

2. What is the subject's gender? (CIRCLE ONE)
 - Male..... 1
 - Female 2
 - Not described/ Not reported 3

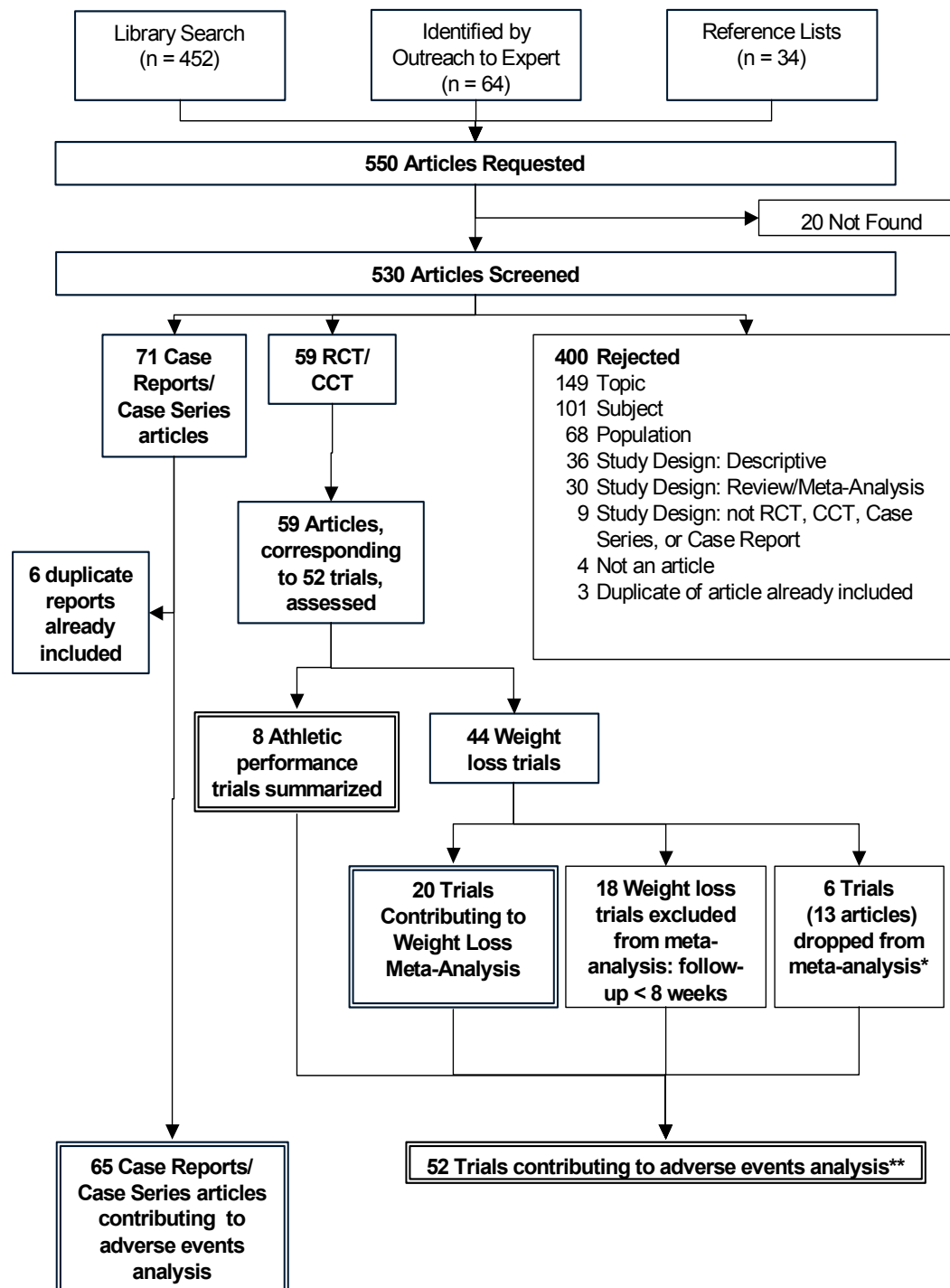
3. What was the adverse event? (CHECK ALL THAT APPLY)
 - No adverse event reported ☐ (01)
 - (IF NO ADVERSE EVENT THEN STOP.)**
 - Death..... ☐ (02)
 - Cardiovascular:
 - Heart rate, >120 or <50..... ☐ (03)
 - Heart rate, 50-120, or not otherwise unspecified ☐ (04)
 - Hypertension, Systolic >180 or Diastolic >105 ☐ (05)
 - Hypertension, Systolic <180 or Diastolic <105, or not otherwise specified ☐ (06)
 - Myocardial Infarction/ Heart Attack ☐ (07)
 - Cardiac Dysrhythmia, Other/ Palpitations ☐ (08)
 - Cardiac arrest..... ☐ (09)
 - Ventricular Tachycardia/ Fibrillation ☐ (10)
 - Chest Pain, not specified as MI ☐ (11)
 - Pulmonary:
 - Respiratory arrest..... ☐ (12)
 - Neurological:
 - Transient Ischemic Attack ☐ (13)
 - CVA/ Stroke, not known to be hemorrhage ☐ (14)
 - Brain Hemorrhage..... ☐ (15)
 - Fainting / Loss of consciousness ☐ (16)
 - Coma..... ☐ (17)
 - Seizure ☐ (18)
 - Psychiatric:
 - Depression ☐ (19)
 - Hallucinations ☐ (20)
 - Mania or severe agitation..... ☐ (21)
 - Psychosis ☐ (22)
 - Suicide attempt ☐ (23)
 - Autonomic Hyperactivity (includes: tremor, twitching, jitteriness, insomnia, increased sweating, agitation, nervousness, and irritability) ☐ (24)

Figure 7. Metabolife record screener form (continued)

3. What was the adverse event? (continued) (CHECK ALL THAT APPLY)
- Other adverse events:
- Changes in glucose <40 or >400 ☐ (25)
 - Liver failure ALT/AST >200 ☐ (26)
 - Liver abnormality, not otherwise specified ☐ (27)
 - Rhabdomyolysis CPK >400 ☐ (28)
 - Rhabdomyolysis, not otherwise specified ☐ (29)
 - Miscarriage ☐ (30)
 - Allergic Reaction ☐ (31)
 - Anesthesia complication ☐ (32)
 - Fatigue/Fever/ Chills ☐ (33)
 - Abnormal lab values, not otherwise specified ☐ (34)
- Other adverse events not already specified:
- Ear, Eye, Nose, or Throat ☐ (35)
 - Respiratory System ☐ (36)
 - Cardiovascular System ☐ (37)
 - Gastrointestinal System ☐ (38)
 - Hepatobiliary System ☐ (39)
 - Musculoskeletal System ☐ (40)
 - Genitourinary System ☐ (41)
 - Gynecologic (includes breast and menstrual symptoms) ☐ (42)
 - Sexual Dysfunction ☐ (43)
 - Neurological System (includes headache) ☐ (44)
 - Mental Health ☐ (45)
 - Skin (includes Pruritis) ☐ (46)
 - Hematologic System ☐ (47)
 - Oncologic System ☐ (48)
 - Other symptoms not specified above ☐ (49)
4. Did the adverse event result in a hospital stay (at least one night; do not include emergency room visits)? (CIRCLE ONE)
- Yes 1
 - No/ No Data 2
5. Is there additional information (medical records or similar) available for more detailed review regarding past health history, current, problems, toxicology results, etc? (CIRCLE ONE)
- Yes 1
 - No 2

END

Figure 8. Literature flow



* Various reasons, see table 9.

** Two studies had no placebo group and, therefore, contribute to the power calculations but not to the odds ratio meta-analysis.

Figure 9. Ephedrine versus placebo – forest plot

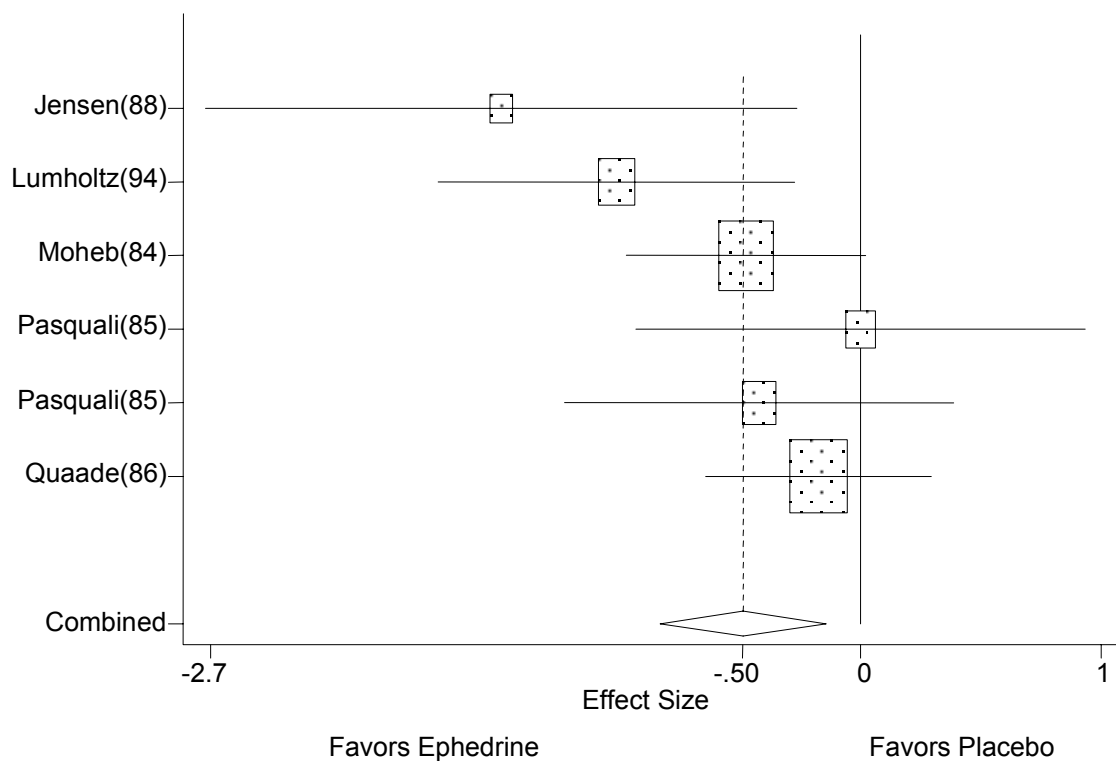


Figure 10. Ephedrine versus placebo – funnel plot

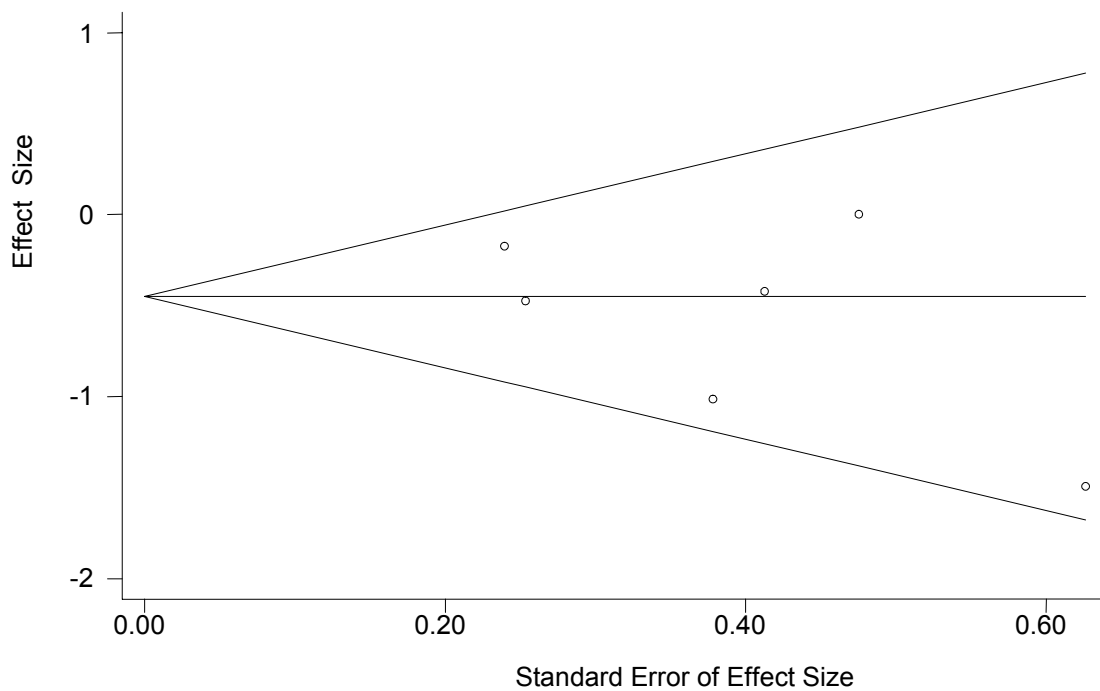


Figure 11. Ephedrine + caffeine versus placebo – forest plot

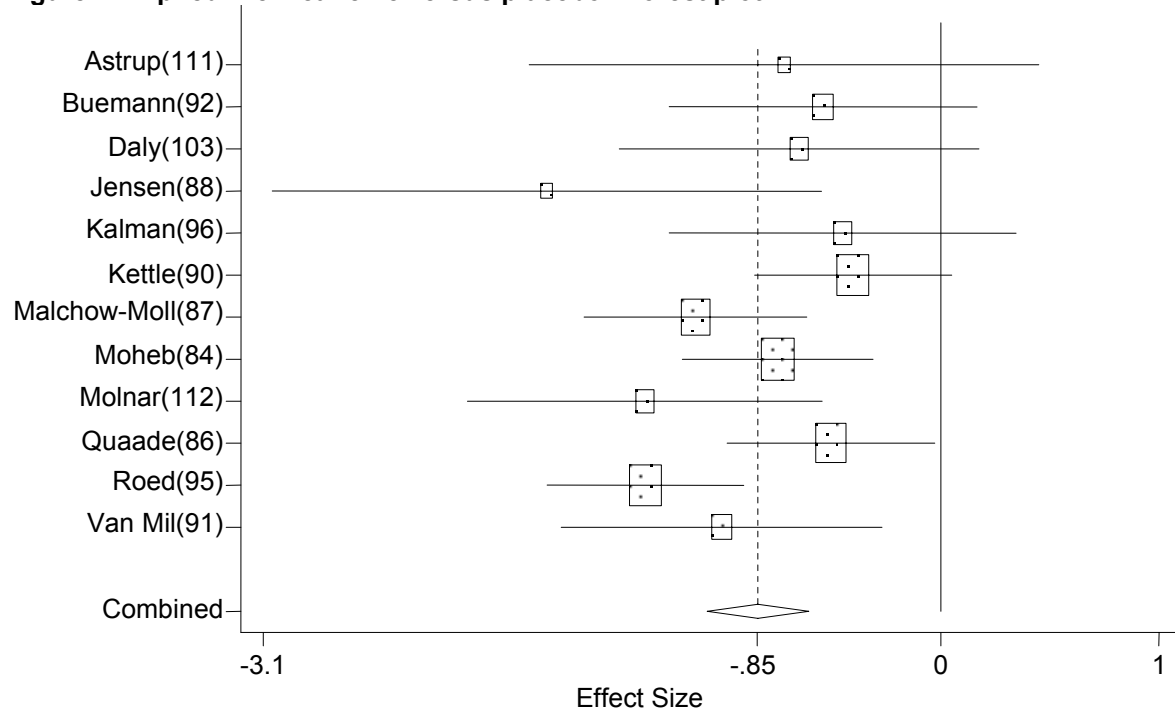


Figure 12. Ephedrine + caffeine versus placebo – funnel plot

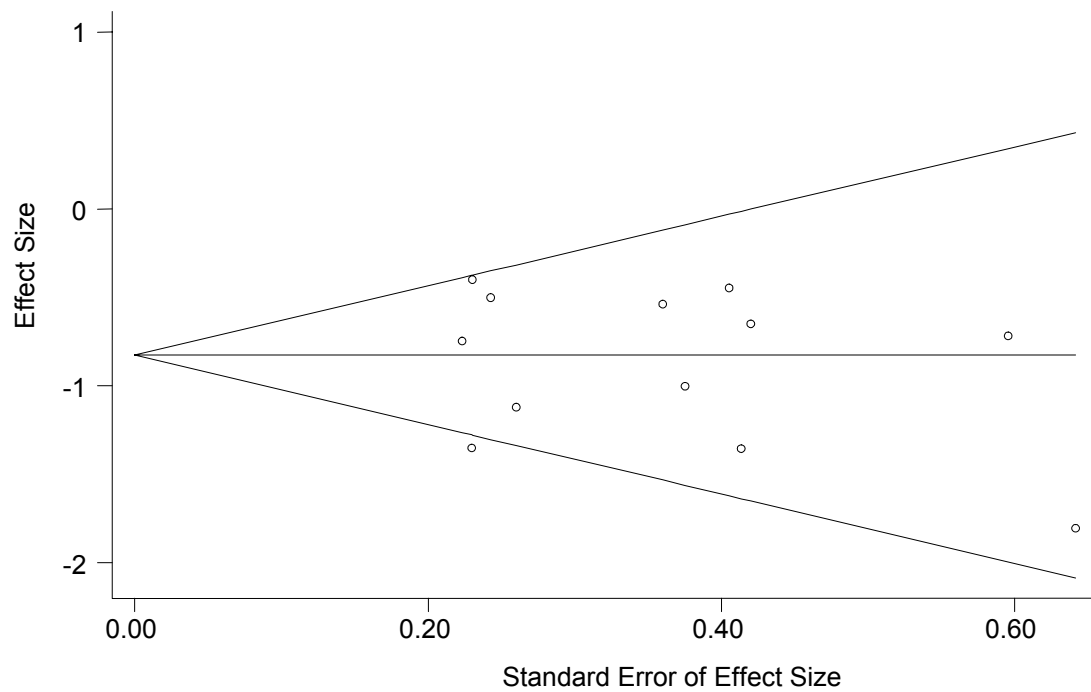


Figure 13. Ephedrine + caffeine versus ephedrine alone – forest plot

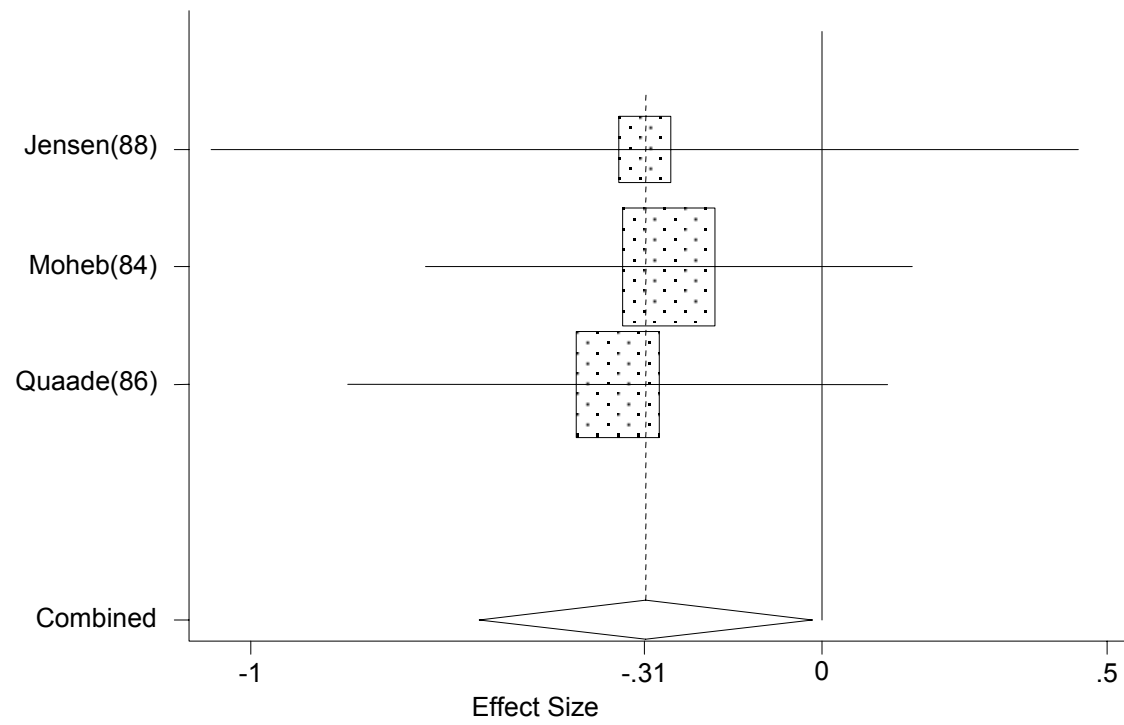


Figure 14. Ephedra + herbs containing caffeine versus placebo – forest plot

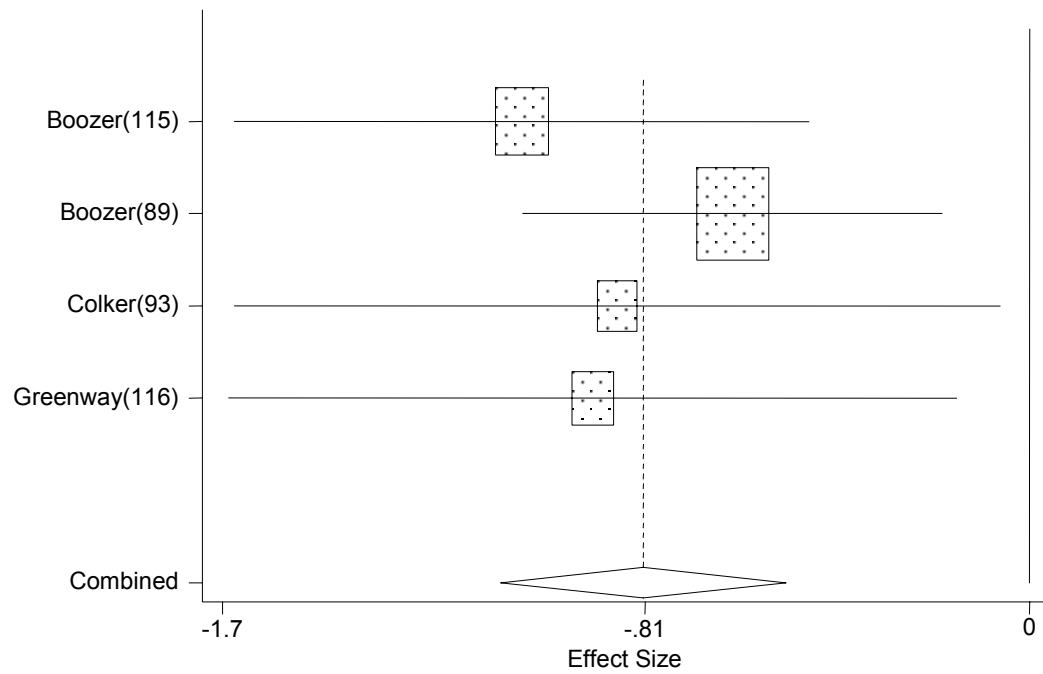


Figure 15. Ephedra + herbs containing caffeine versus placebo – funnel plot

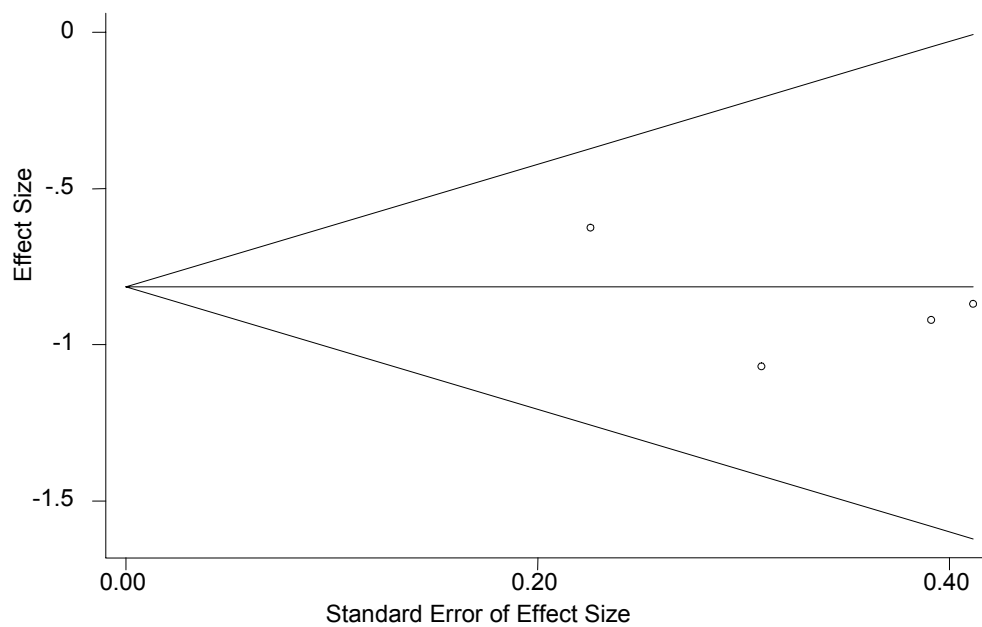


Figure 16. Effect sizes by comparison group

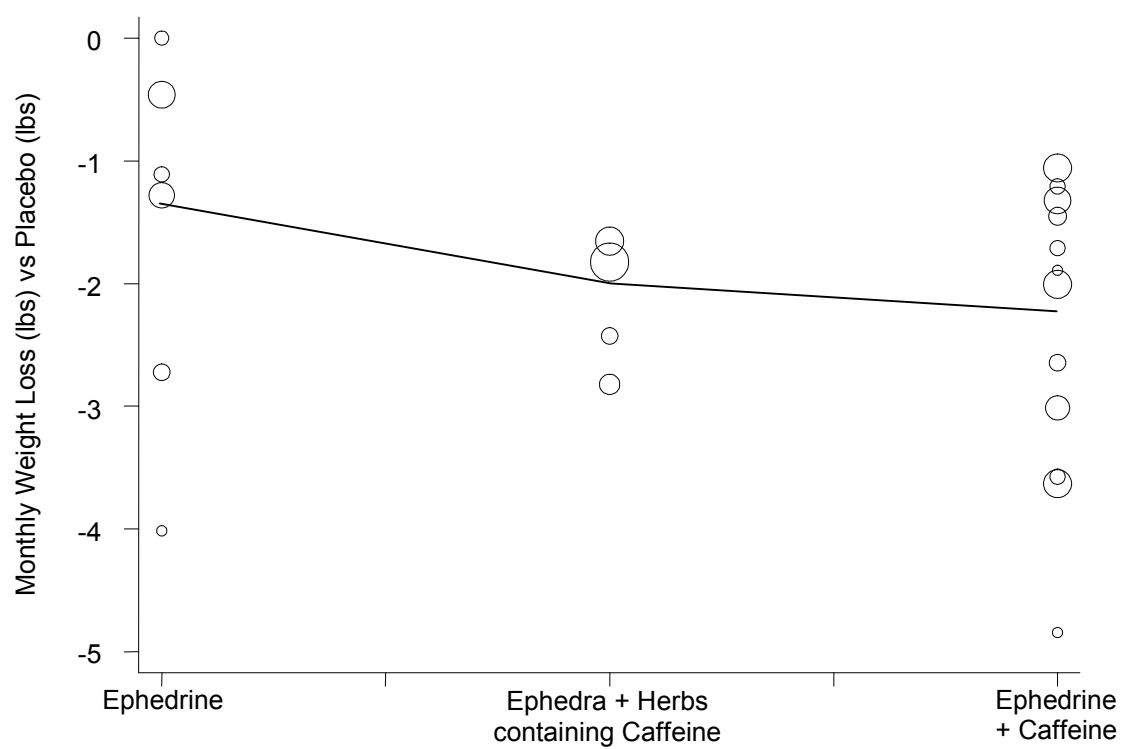


Figure 17a. Flow of evidence for adverse events analysis, part 1

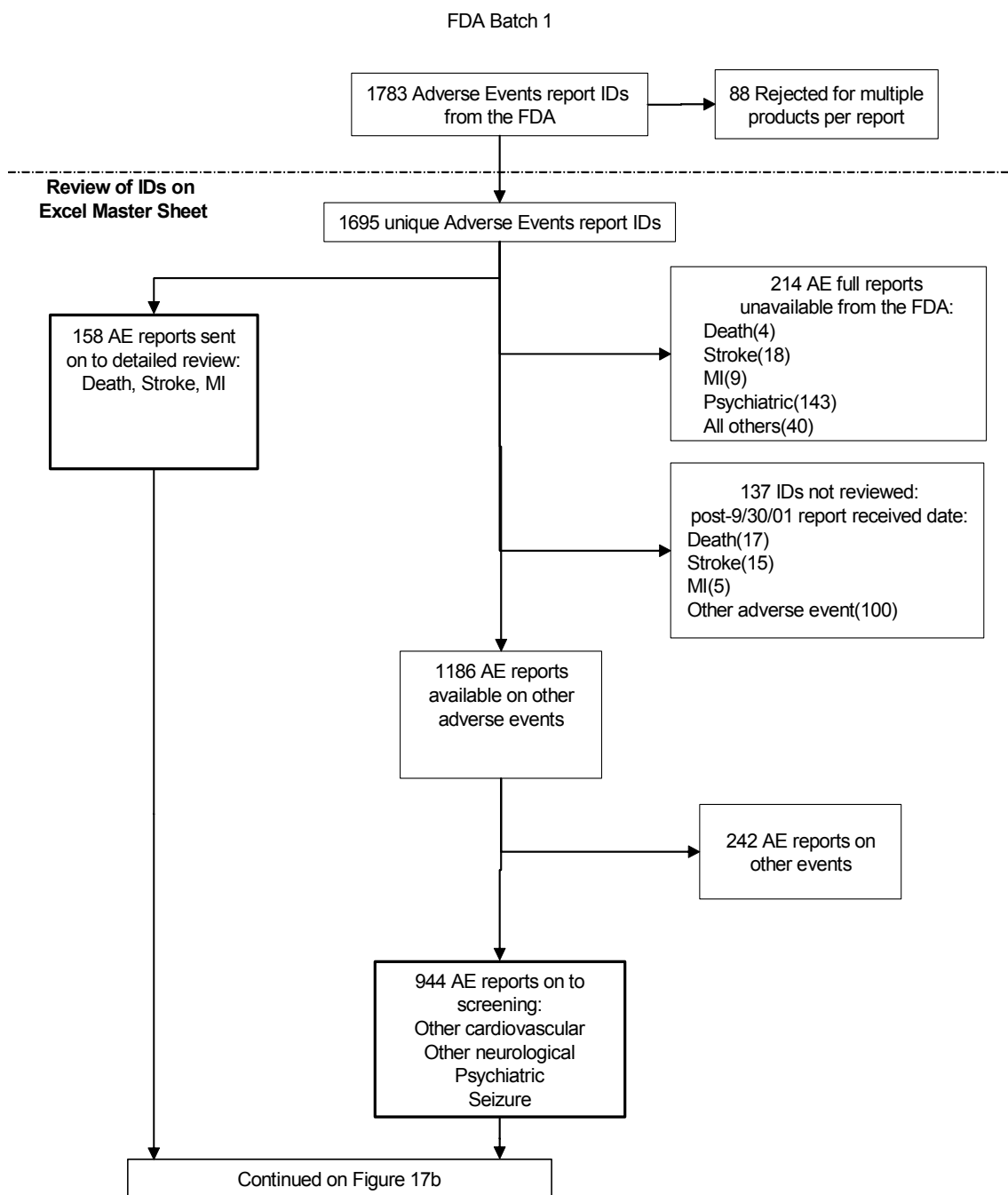


Figure 17b. Flow of evidence for adverse events analysis, part 2

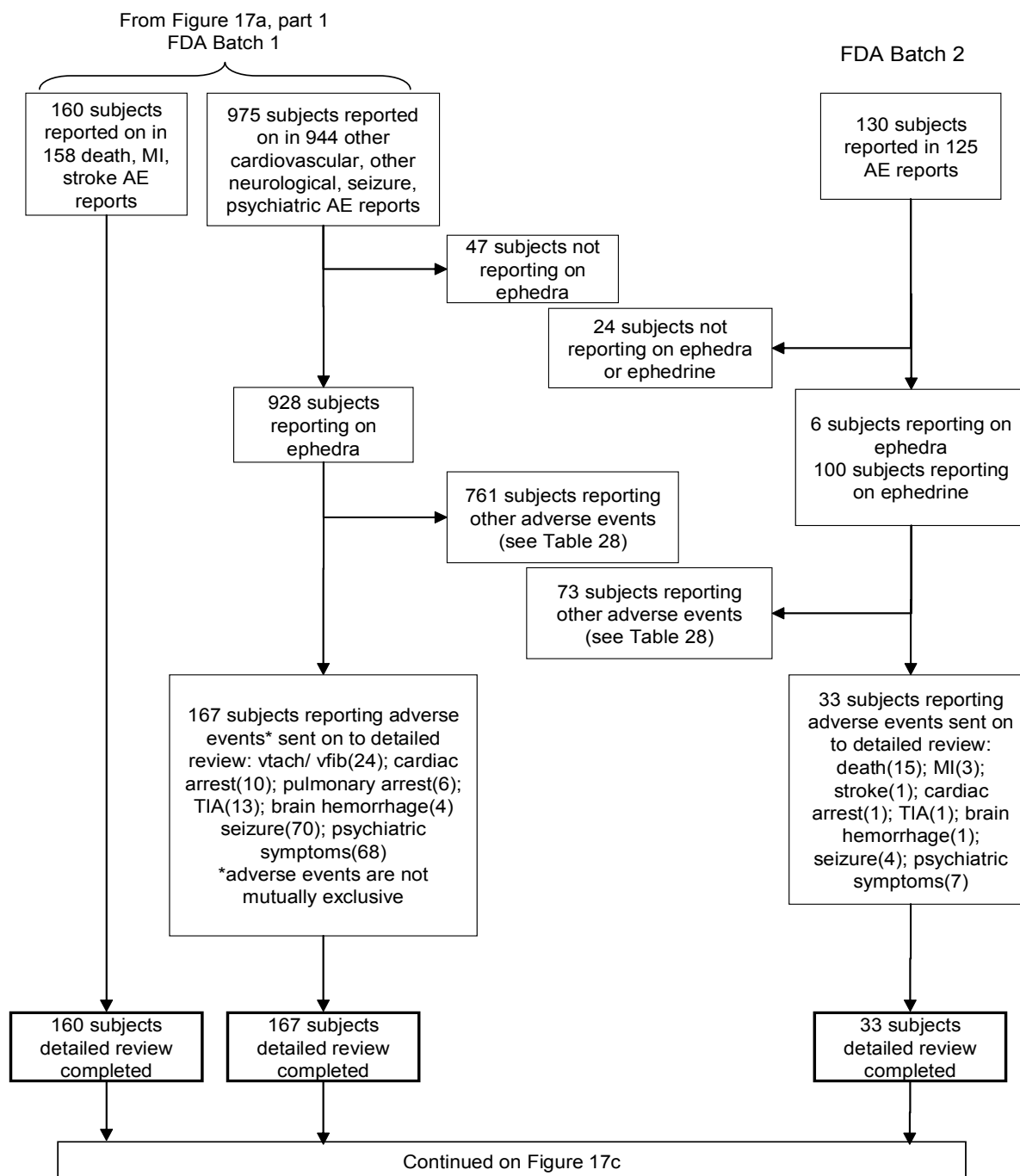


Figure 17c. Flow of evidence for adverse events analysis, part 3

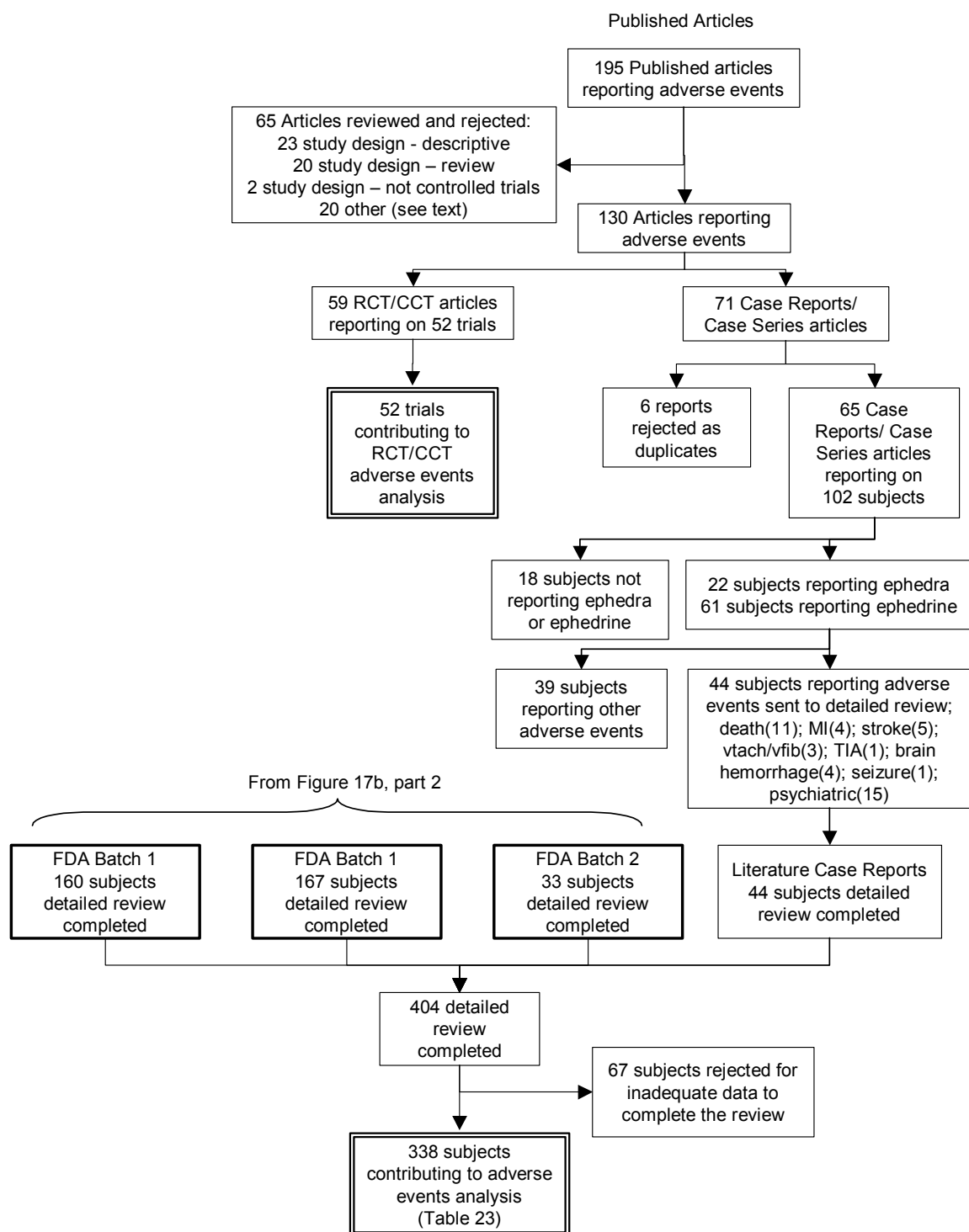


Figure 18. Flow of MIPER ID Numbers

