

# Characteristics of Acceptable Risk of Bias Tools for Non-Randomised Studies of Interventions

PID 250

## Data Exports, Reports, and Stats

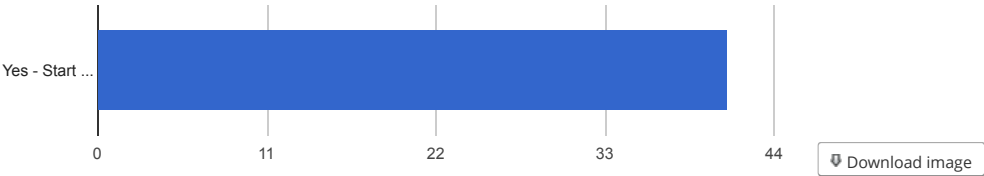
### All data (all records and fields)

I confirm that I have read and understood the above information; that my participation is voluntary and I can withdraw at any time; and that I agree to take part in the above study.

(agreement\_consent)

Total Count (N)	Missing*	Unique
41	0 (0.0%)	1

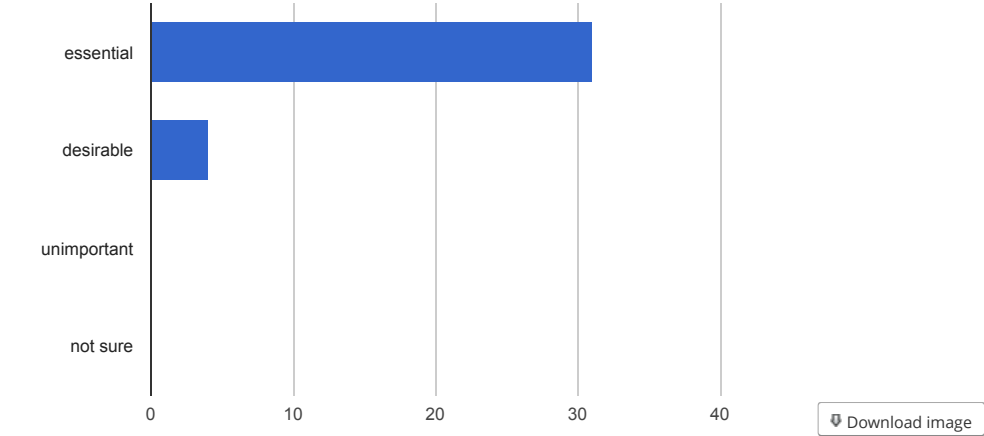
Counts/frequency: Yes - Start Survey (41, 100.0%)



### User guidance is provided (user\_guidance)

Total Count (N)	Missing*	Unique
35	6 (14.6%)	2

Counts/frequency: essential (31, 88.6%), desirable (4, 11.4%), unimportant (0, 0.0%), not sure (0, 0.0%)

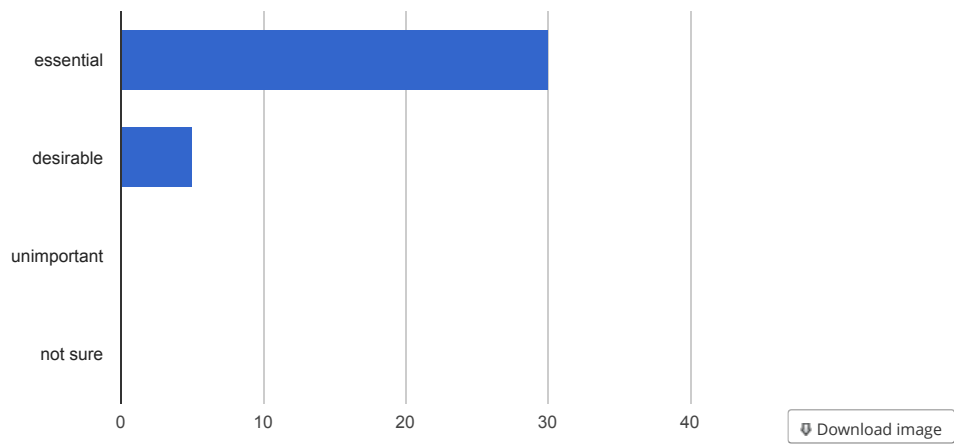


### The user guidance explains the interpretation of each criterion/item/signalling question

(explains\_interpretation)

Total Count (N)	Missing*	Unique
35	6 (14.6%)	2

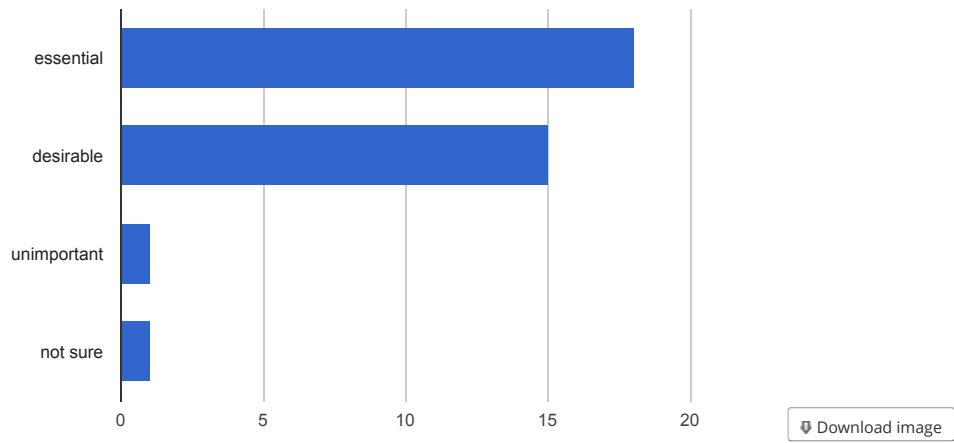
Counts/frequency: essential (30, 85.7%), desirable (5, 14.3%), unimportant (0, 0.0%), not sure (0, 0.0%)



**Training materials are available to support new users** (*training\_materials*)

Total Count (N)	Missing*	Unique
35	6 (14.6%)	4

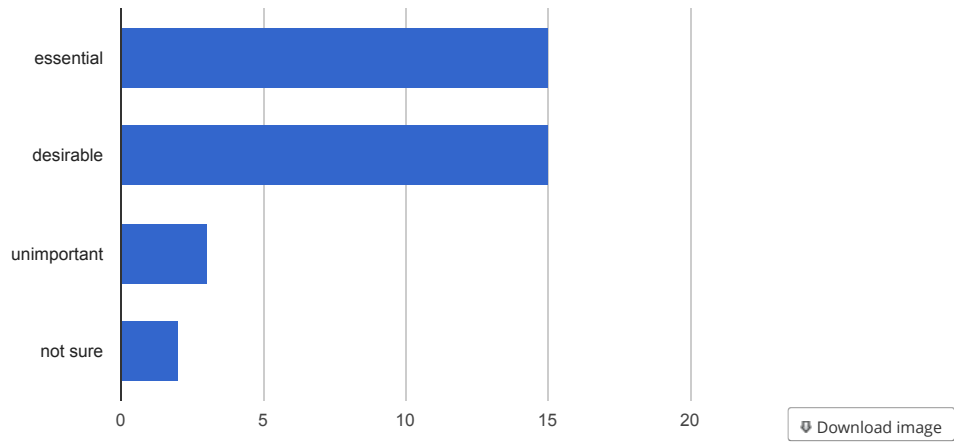
Counts/frequency: **essential** (18, 51.4%), **desirable** (15, 42.9%), **unimportant** (1, 2.9%), **not sure** (1, 2.9%)



**The tool supports outcome-based or result-level-based assessment** (*outcome\_based\_jmt*)

Total Count (N)	Missing*	Unique
35	6 (14.6%)	4

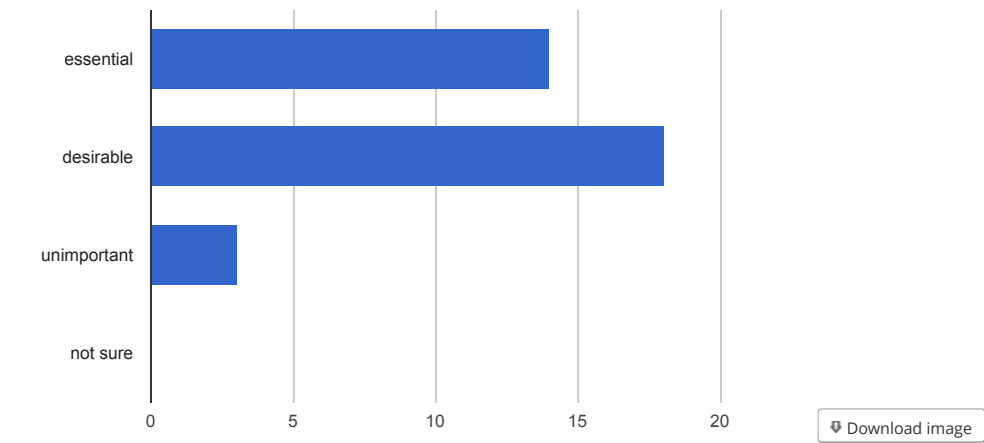
Counts/frequency: **essential** (15, 42.9%), **desirable** (15, 42.9%), **unimportant** (3, 8.6%), **not sure** (2, 5.7%)



**The tool supports documentation of the processes followed in arriving at a judgment** (*documents\_processes*)

Total Count (N)	Missing*	Unique
35	<a href="#">6 (14.6%)</a>	3

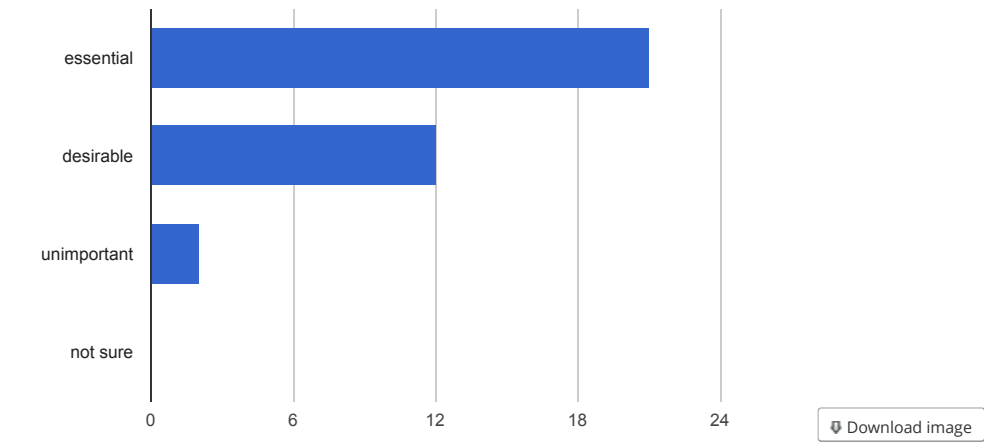
Counts/frequency: **essential** (14, 40.0%), **desirable** (18, 51.4%), **unimportant** (3, 8.6%), **not sure** (0, 0.0%)



### The tool supports documentation of evidence from the study used to arrive at a judgment *(documents\_evidence)*

Total Count (N)	Missing*	Unique
35	<a href="#">6 (14.6%)</a>	3

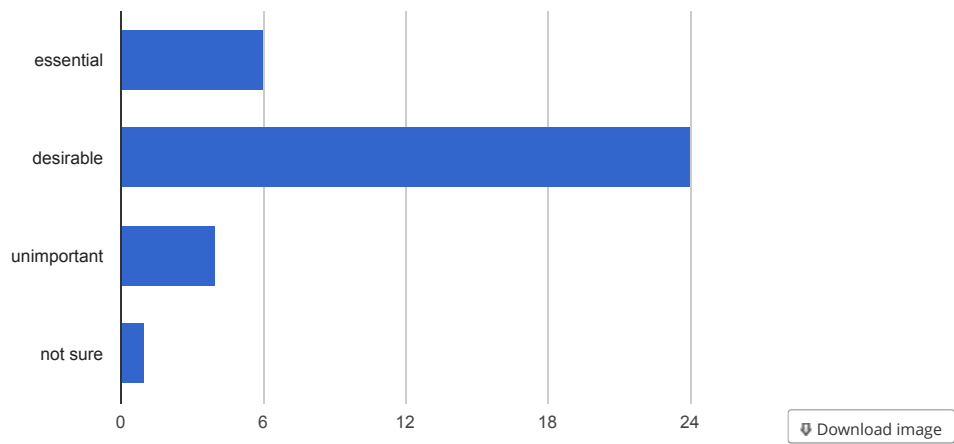
Counts/frequency: **essential** (21, 60.0%), **desirable** (12, 34.3%), **unimportant** (2, 5.7%), **not sure** (0, 0.0%)



### Responses to signalling questions are suitable for traffic-light presentation consistent with other Cochrane ROB tools, i.e. yes/no/some concerns *(traffic\_light)*

Total Count (N)	Missing*	Unique
35	<a href="#">6 (14.6%)</a>	4

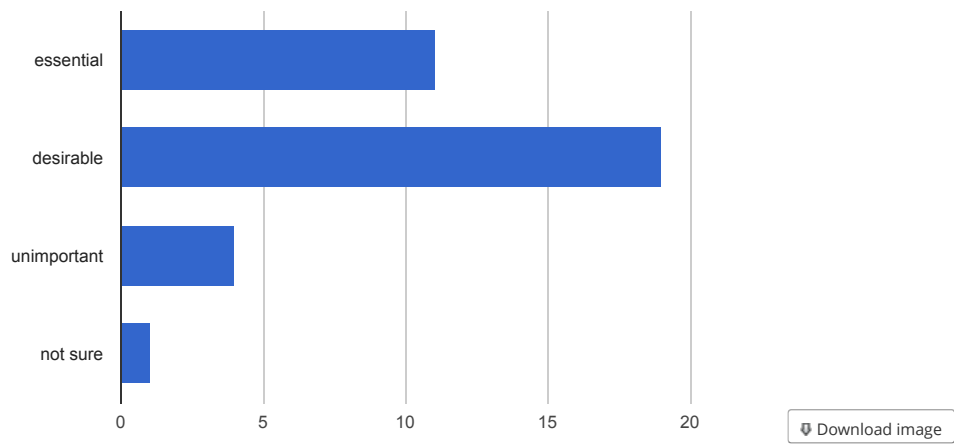
Counts/frequency: **essential** (6, 17.1%), **desirable** (24, 68.6%), **unimportant** (4, 11.4%), **not sure** (1, 2.9%)



The overall judgment is consistent with other Cochrane ROB tools, i.e. high/some concerns/low risk of bias (*overall\_hi\_lo*)

Total Count (N)	Missing*	Unique
35	6 (14.6%)	4

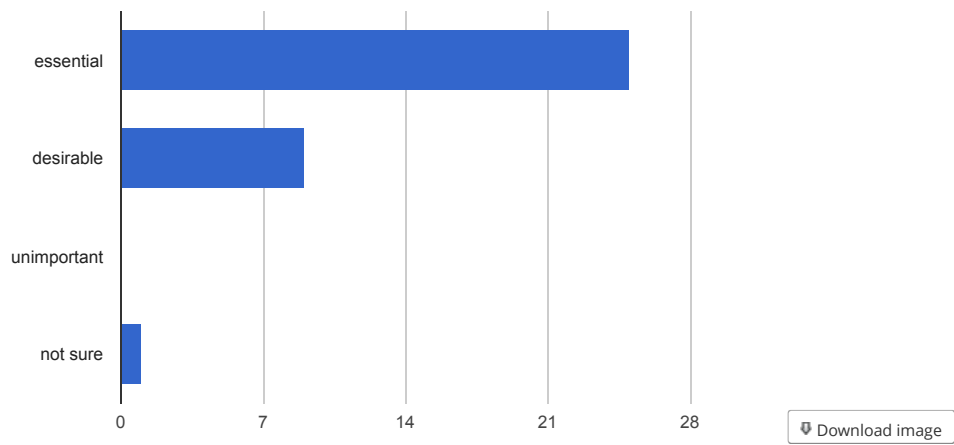
Counts/frequency: essential (11, 31.4%), desirable (19, 54.3%), unimportant (4, 11.4%), not sure (1, 2.9%)



The formatting and output of the tool enable comparison of risk of bias across studies (*enables\_comparison*)

Total Count (N)	Missing*	Unique
35	6 (14.6%)	3

Counts/frequency: essential (25, 71.4%), desirable (9, 25.7%), unimportant (0, 0.0%), not sure (1, 2.9%)



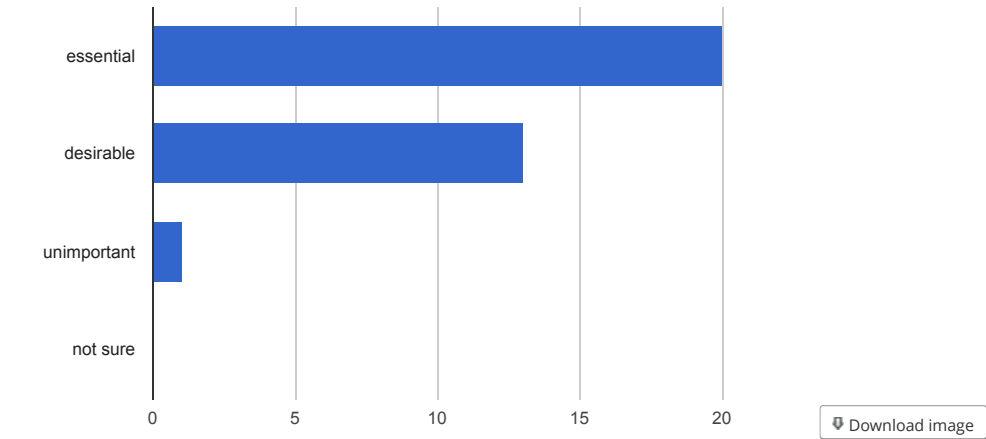
Any comments on the structure and format of preferred/acceptable risk of bias tools for non-randomised studies? *(structure\_comments)*

Total Count (N)	Missing*
7	<a href="#">34 (82.9%)</a>

The methods used to develop the tool have been documented and reported *(methods\_documented)*

Total Count (N)	Missing*	Unique
34	<a href="#">7 (17.1%)</a>	3

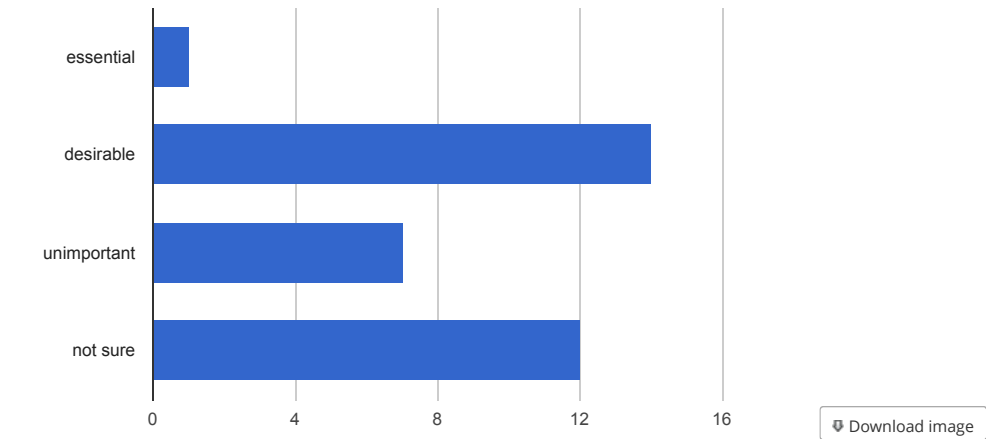
Counts/frequency: **essential** (20, 58.8%), **desirable** (13, 38.2%), **unimportant** (1, 2.9%), **not sure** (0, 0.0%)



The tool was developed using standard psychometric techniques (Streiner & Norman, 1991) *(psychometric)*

Total Count (N)	Missing*	Unique
34	<a href="#">7 (17.1%)</a>	4

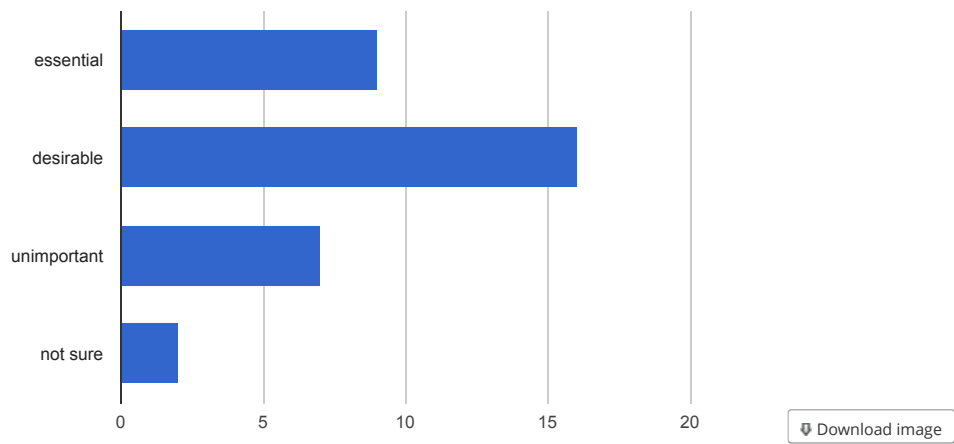
Counts/frequency: **essential** (1, 2.9%), **desirable** (14, 41.2%), **unimportant** (7, 20.6%), **not sure** (12, 35.3%)



The reported methods of development included a comprehensive literature search *(lit\_search)*

Total Count (N)	Missing*	Unique
34	<a href="#">7 (17.1%)</a>	4

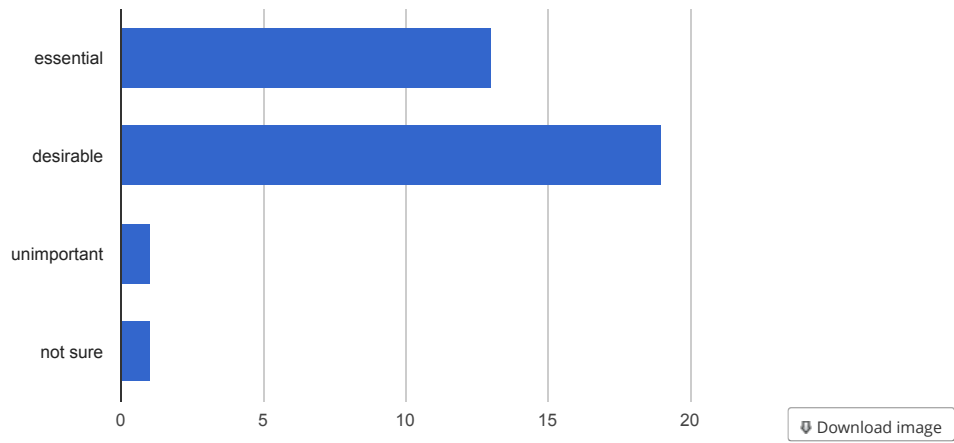
Counts/frequency: **essential** (9, 26.5%), **desirable** (16, 47.1%), **unimportant** (7, 20.6%), **not sure** (2, 5.9%)



The reported methods of development included a critical review of existing tools *(crit\_review)*

Total Count (N)	Missing*	Unique
34	7 (17.1%)	4

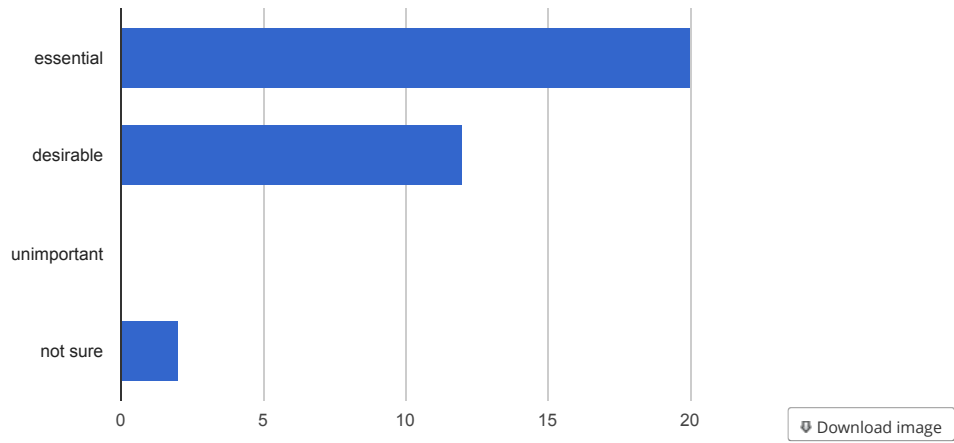
Counts/frequency: essential (13, 38.2%), desirable (19, 55.9%), unimportant (1, 2.9%), not sure (1, 2.9%)



The reported methods of development included consultation with experts *(expert\_consultation)*

Total Count (N)	Missing*	Unique
34	7 (17.1%)	3

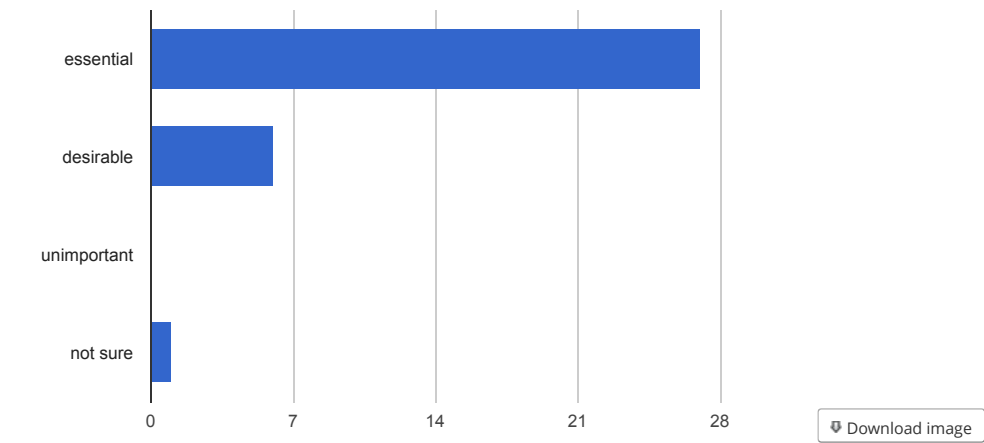
Counts/frequency: essential (20, 58.8%), desirable (12, 35.3%), unimportant (0, 0.0%), not sure (2, 5.9%)



The reported methods of development included user testing/pilot testing *(user\_testing)*

Total Count (N)	Missing*	Unique
34	<a href="#">7 (17.1%)</a>	3

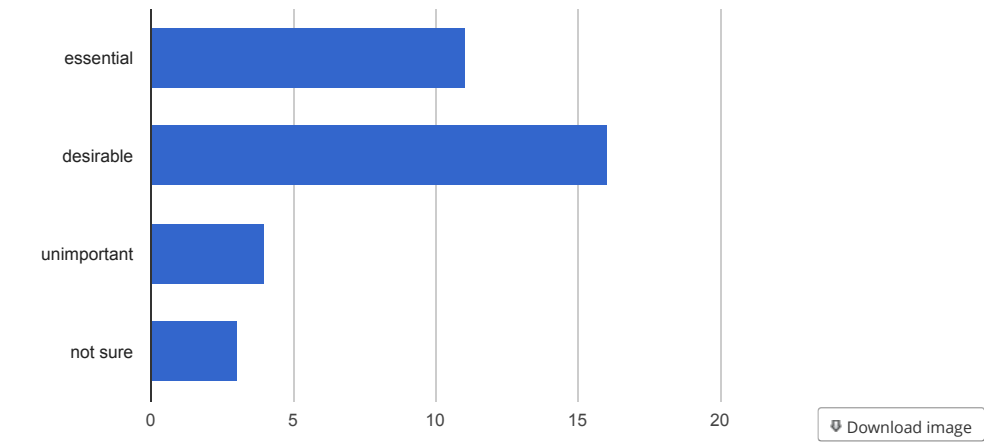
Counts/frequency: **essential** (27, 79.4%), **desirable** (6, 17.6%), **unimportant** (0, 0.0%), **not sure** (1, 2.9%)



The development process was based on a pre-specified protocol *(protocol\_driven)*

Total Count (N)	Missing*	Unique
34	<a href="#">7 (17.1%)</a>	4

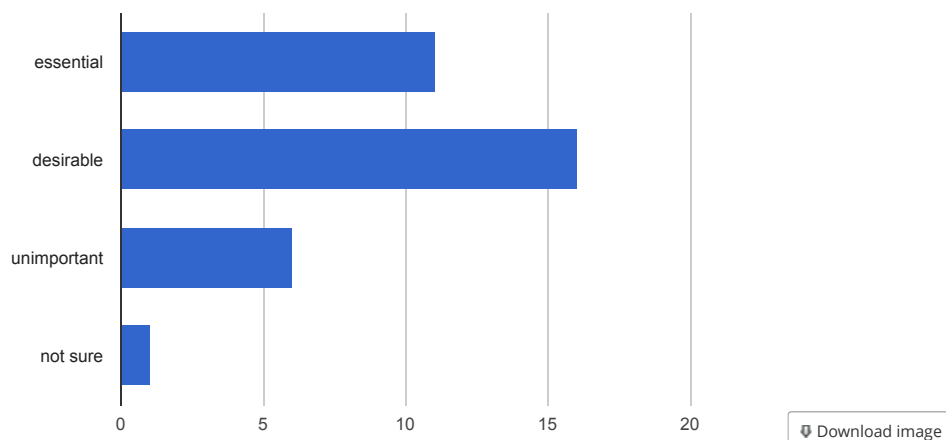
Counts/frequency: **essential** (11, 32.4%), **desirable** (16, 47.1%), **unimportant** (4, 11.8%), **not sure** (3, 8.8%)



The tool has been published in a peer-reviewed journal *(peer\_reviewed)*

Total Count (N)	Missing*	Unique
34	<a href="#">7 (17.1%)</a>	4

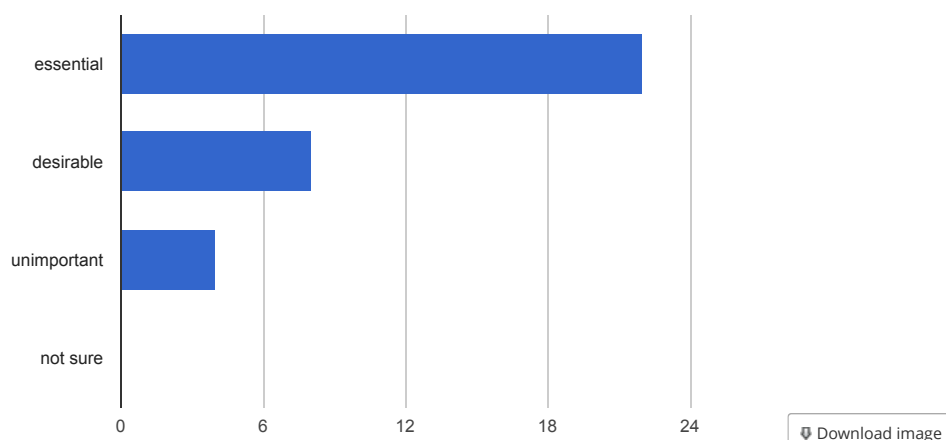
Counts/frequency: **essential** (11, 32.4%), **desirable** (16, 47.1%), **unimportant** (6, 17.6%), **not sure** (1, 2.9%)



## The developers have disclosed any conflicts of interest *(coi\_disclosed)*

Total Count (N)	Missing*	Unique
34	<a href="#">7 (17.1%)</a>	3

Counts/frequency: **essential** (22, 64.7%), **desirable** (8, 23.5%), **unimportant** (4, 11.8%), **not sure** (0, 0.0%)



## Any comments on the development methods of preferred/acceptable risk of bias tools for non-randomised studies? *(devmt\_methods)*

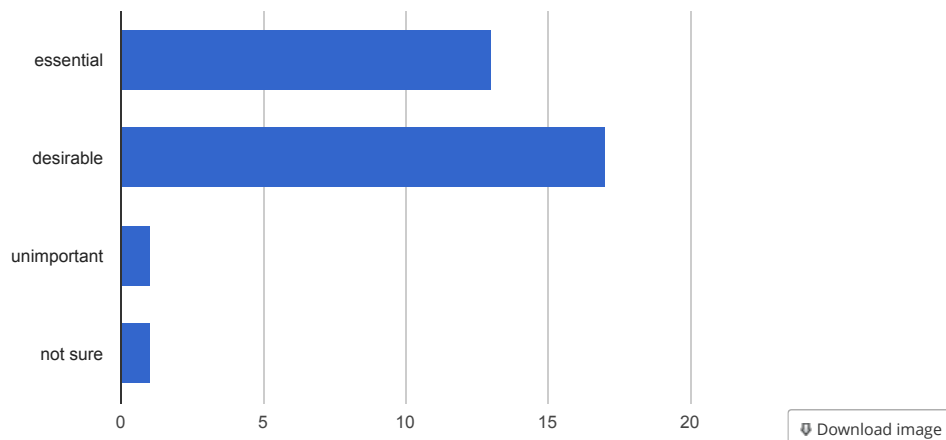
Total Count (N)	Missing*
4	<a href="#">37 (90.2%)</a>

## The tool's explicit purpose is for risk of bias assessment in systematic reviews *(purpose\_rob)*

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	4

Counts/frequency: **essential** (13, 40.6%), **desirable** (17, 53.1%), **unimportant** (1, 3.1%), **not sure** (1, 3.1%)

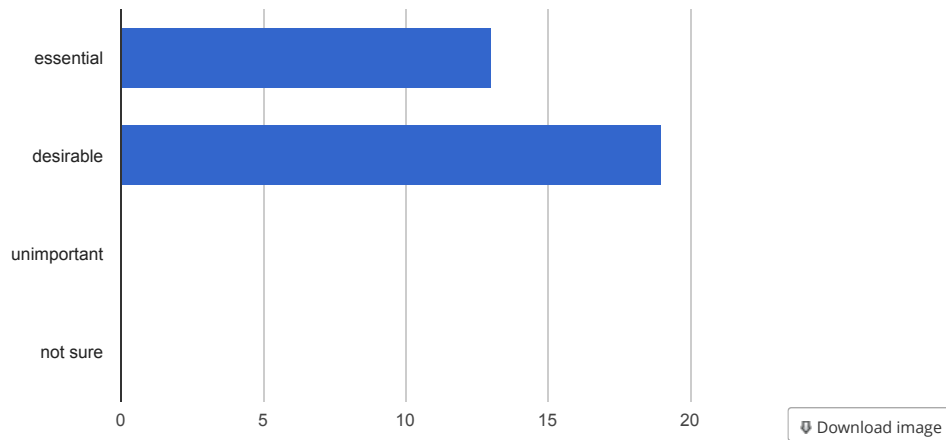




**Domains and signalling questions are based on empirical evidence of risk of bias where possible** *(evidence\_based)*

Total Count (N)	Missing*	Unique
32	9 (22.0%)	2

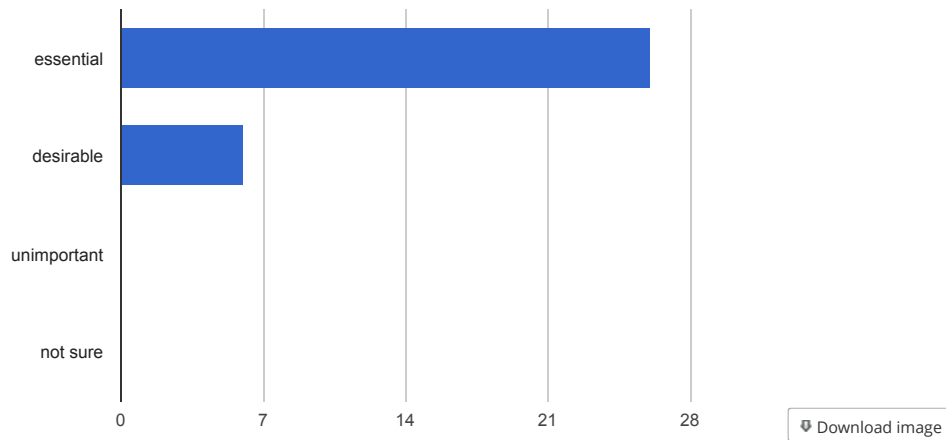
Counts/frequency: essential (13, 40.6%), desirable (19, 59.4%), unimportant (0, 0.0%), not sure (0, 0.0%)



**The tool assesses confounding** *(confounding)*

Total Count (N)	Missing*	Unique
32	9 (22.0%)	2

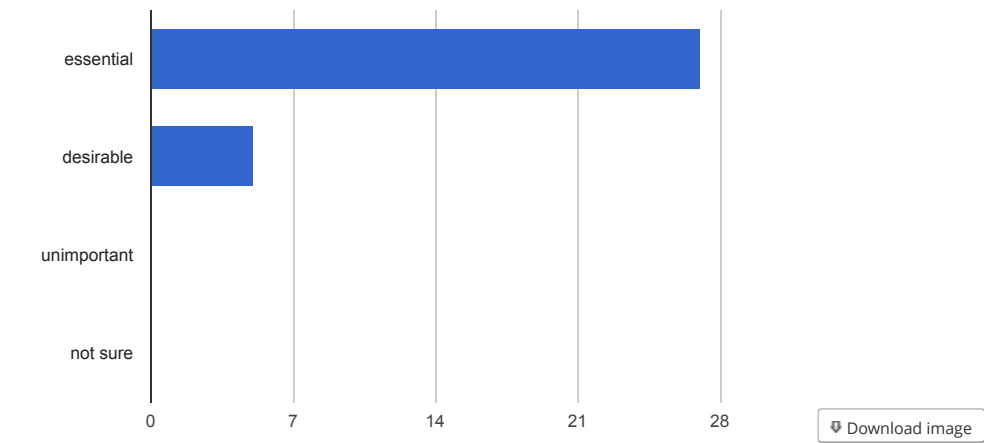
Counts/frequency: essential (26, 81.3%), desirable (6, 18.8%), unimportant (0, 0.0%), not sure (0, 0.0%)



**The tool assesses selection bias** *(selection\_bias)*

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	2

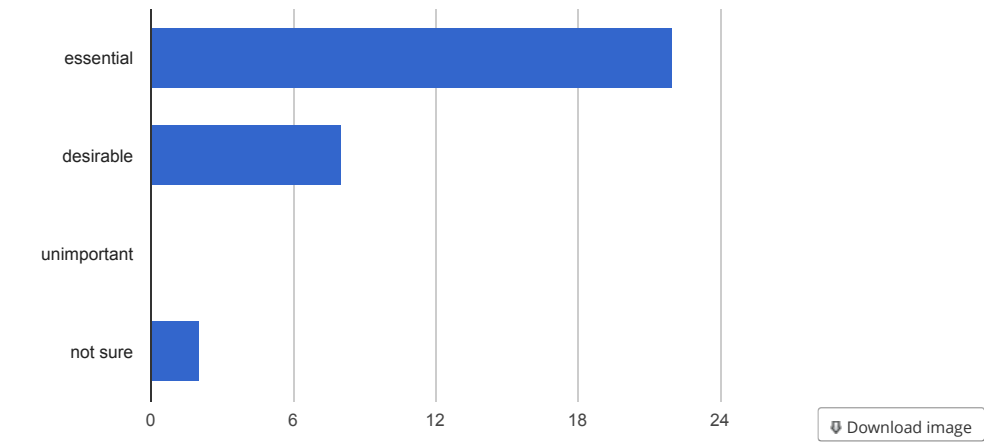
Counts/frequency: **essential** (27, 84.4%), **desirable** (5, 15.6%), **unimportant** (0, 0.0%), **not sure** (0, 0.0%)



The tool assesses information bias *(information\_bias)*

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	3

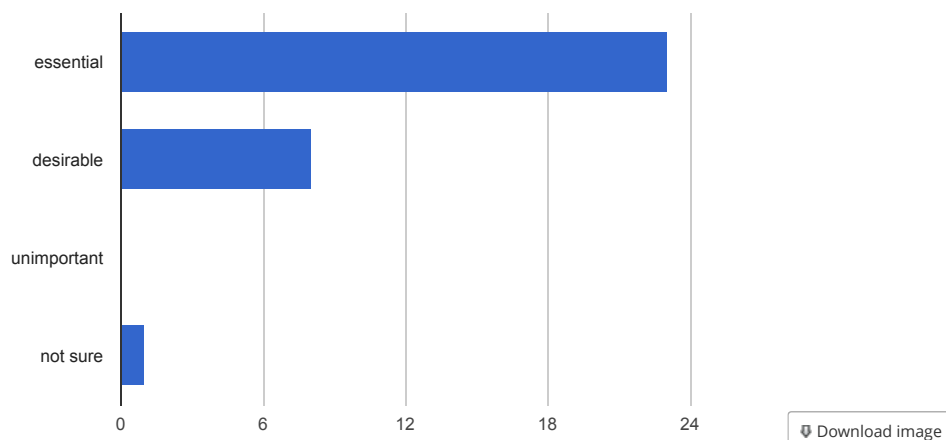
Counts/frequency: **essential** (22, 68.8%), **desirable** (8, 25.0%), **unimportant** (0, 0.0%), **not sure** (2, 6.3%)



The tool assesses reporting bias *(reporting\_bias)*

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	3

Counts/frequency: **essential** (23, 71.9%), **desirable** (8, 25.0%), **unimportant** (0, 0.0%), **not sure** (1, 3.1%)

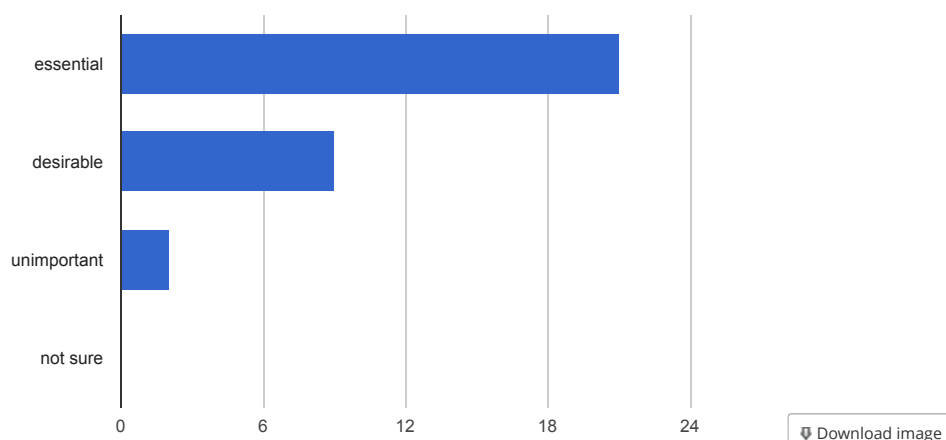


## The tool includes a method for arriving at a summary (overall) risk of bias judgment

(summary\_judgment)

Total Count (N)	Missing*	Unique
32	9 (22.0%)	3

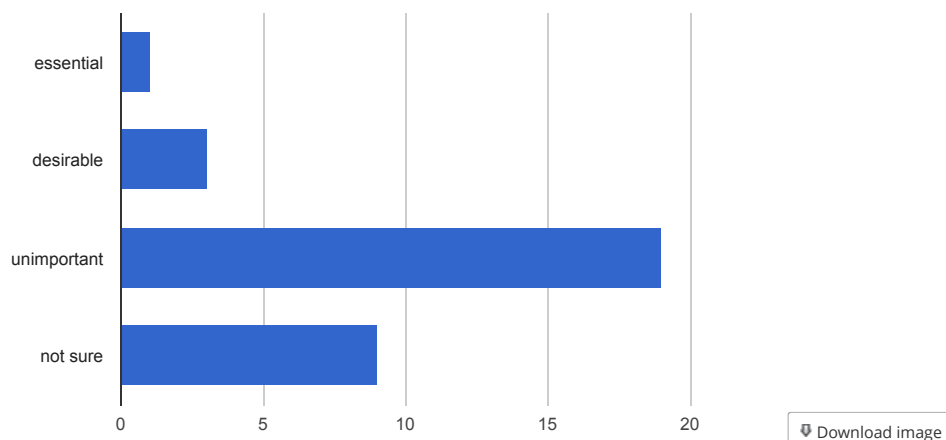
Counts/frequency: **essential** (21, 65.6%), **desirable** (9, 28.1%), **unimportant** (2, 6.3%), **not sure** (0, 0.0%)



## The tool DOES use a quantitative summary score (yes\_quant\_score)

Total Count (N)	Missing*	Unique
32	9 (22.0%)	4

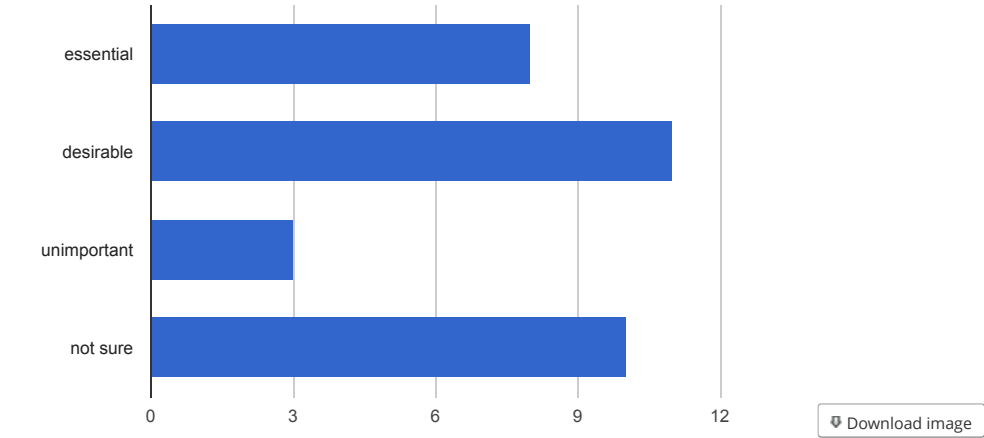
Counts/frequency: **essential** (1, 3.1%), **desirable** (3, 9.4%), **unimportant** (19, 59.4%), **not sure** (9, 28.1%)



## The tool DOES NOT use a quantitative summary score (no\_quant\_score)

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	4

Counts/frequency: **essential** (8, 25.0%), **desirable** (11, 34.4%), **unimportant** (3, 9.4%), **not sure** (10, 31.3%)



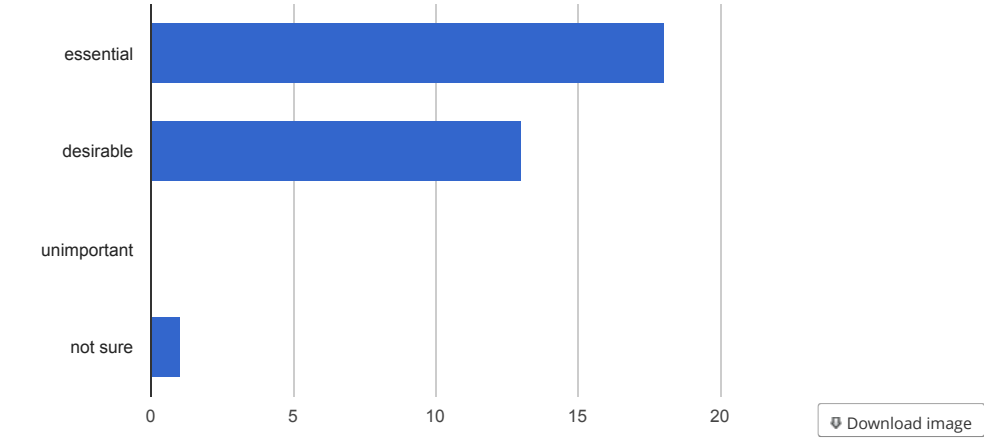
### Any comments on the content (signalling questions, scoring) of preferred/acceptable risk of bias tools for non-randomised studies? (content)

Total Count (N)	Missing*
5	<a href="#">36 (87.8%)</a>

### The tool's validity has been formally assessed (validity\_assessed)

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	3

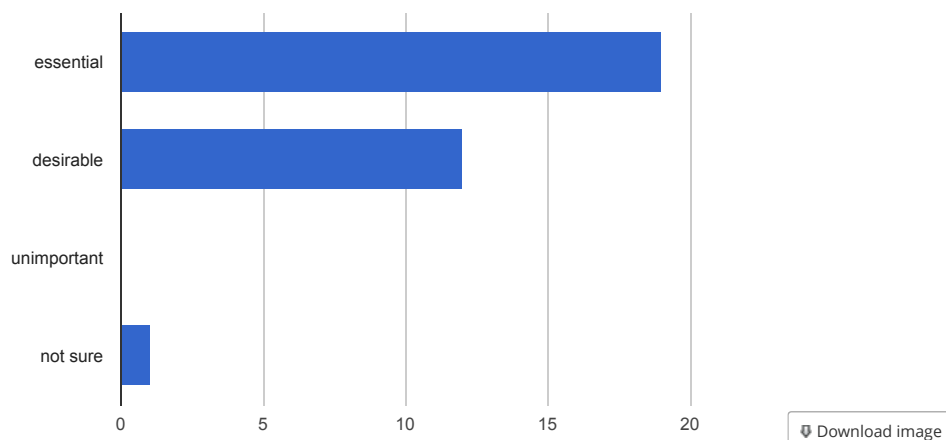
Counts/frequency: **essential** (18, 56.3%), **desirable** (13, 40.6%), **unimportant** (0, 0.0%), **not sure** (1, 3.1%)



### The tool's reliability has been formally assessed (reliability\_assessed)

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	3

Counts/frequency: **essential** (19, 59.4%), **desirable** (12, 37.5%), **unimportant** (0, 0.0%), **not sure** (1, 3.1%)



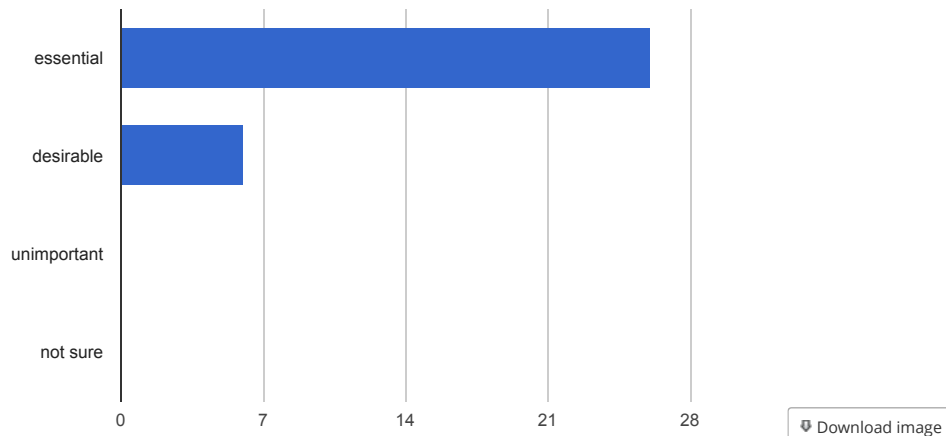
### Any comments on the performance (validity, reliability) of preferred/acceptable risk of bias tools for non-randomised studies? *(performance)*

Total Count (N)	Missing*
3	38 (92.7%)

### Signalling questions/criteria are easy to interpret *(easy\_to\_interpret)*

Total Count (N)	Missing*	Unique
32	9 (22.0%)	2

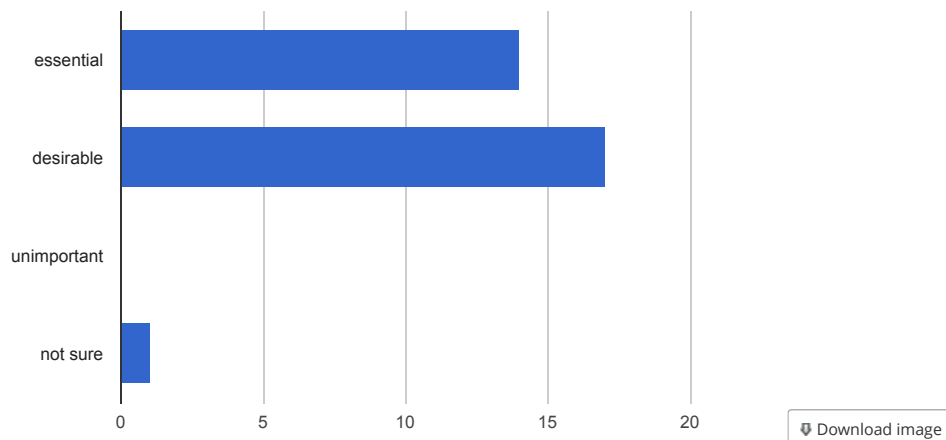
Counts/frequency: **essential** (26, 81.3%), **desirable** (6, 18.8%), **unimportant** (0, 0.0%), **not sure** (0, 0.0%)



### The tool is comprehensive in addressing all elements of risk of bias *(comprehensive\_rob)*

Total Count (N)	Missing*	Unique
32	9 (22.0%)	3

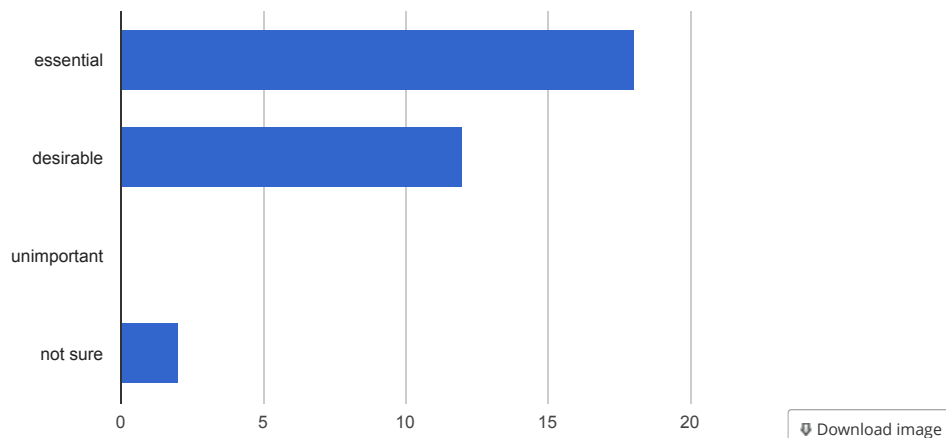
Counts/frequency: **essential** (14, 43.8%), **desirable** (17, 53.1%), **unimportant** (0, 0.0%), **not sure** (1, 3.1%)



### The tool has good validity *(validity\_good)*

Total Count (N)	Missing*	Unique
32	9 (22.0%)	3

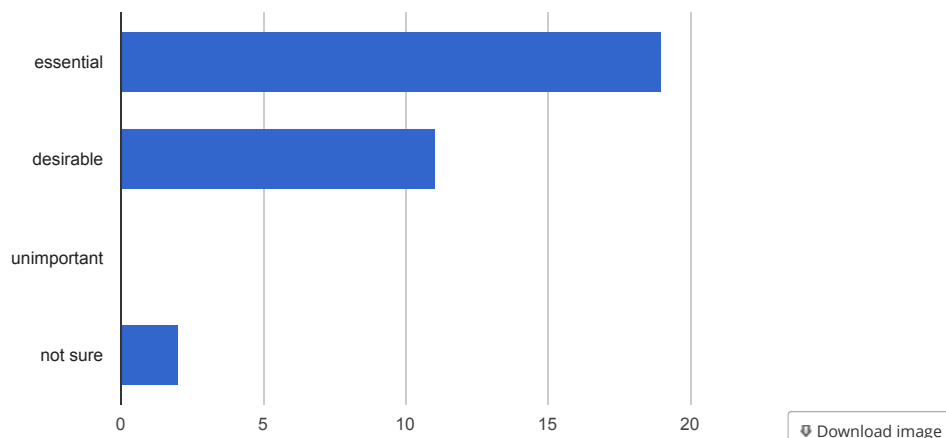
Counts/frequency: **essential** (18, 56.3%), **desirable** (12, 37.5%), **unimportant** (0, 0.0%), **not sure** (2, 6.3%)



### The tool has good reliability *(reliability\_good)*

Total Count (N)	Missing*	Unique
32	9 (22.0%)	3

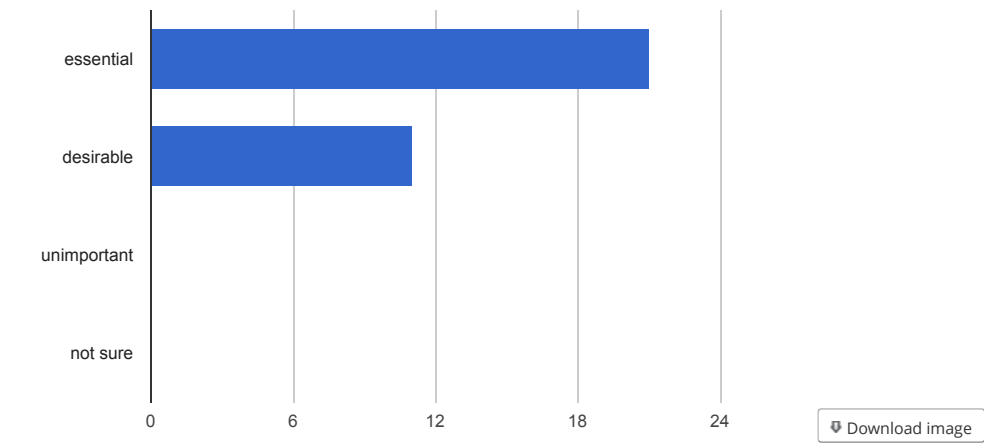
Counts/frequency: **essential** (19, 59.4%), **desirable** (11, 34.4%), **unimportant** (0, 0.0%), **not sure** (2, 6.3%)



### The tool is easy to use *(easy\_to\_use)*

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	2

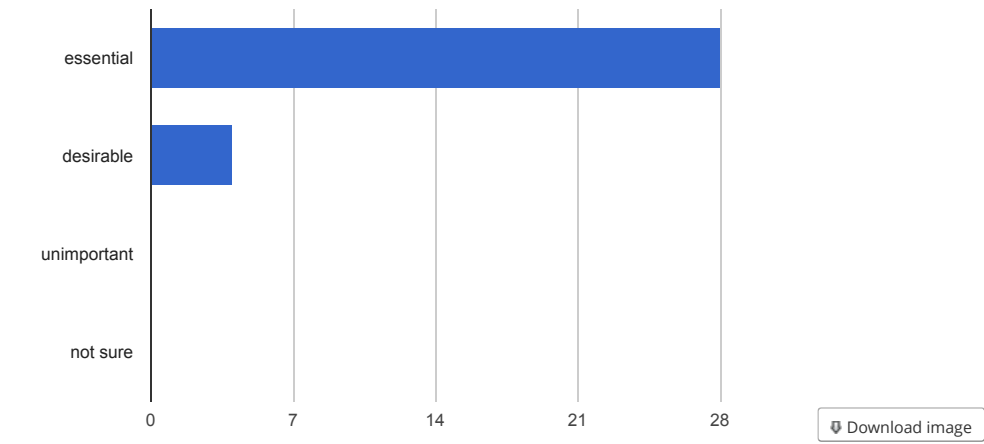
Counts/frequency: **essential** (21, 65.6%), **desirable** (11, 34.4%), **unimportant** (0, 0.0%), **not sure** (0, 0.0%)



The time required to complete assessments is feasible within the context of the review  
*(time\_required)*

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	2

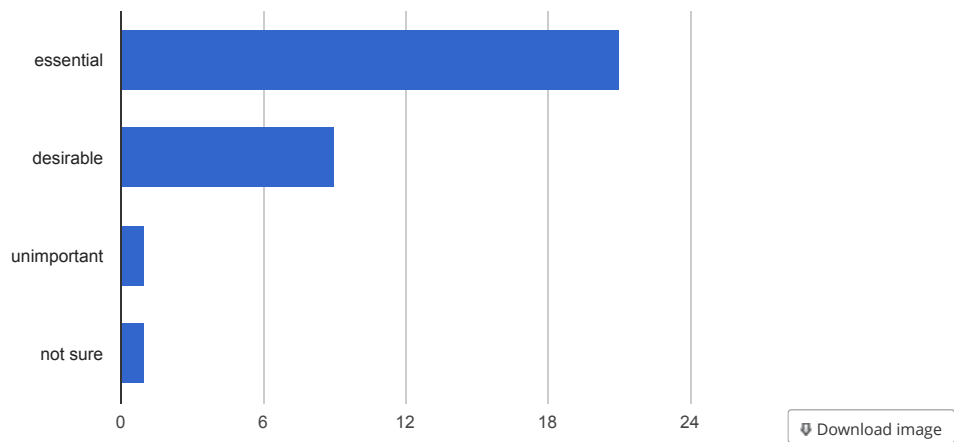
Counts/frequency: **essential** (28, 87.5%), **desirable** (4, 12.5%), **unimportant** (0, 0.0%), **not sure** (0, 0.0%)



The methodological expertise required to complete assessments is feasible within the context of the review  
*(expertise\_required)*

Total Count (N)	Missing*	Unique
32	<a href="#">9 (22.0%)</a>	4

Counts/frequency: **essential** (21, 65.6%), **desirable** (9, 28.1%), **unimportant** (1, 3.1%), **not sure** (1, 3.1%)



**Any comments on the user perceptions of preferred/acceptable risk of bias tools for non-randomised studies?** *(user\_perceptions)*

Total Count (N)	Missing*
6	<a href="#">35 (85.4%)</a>

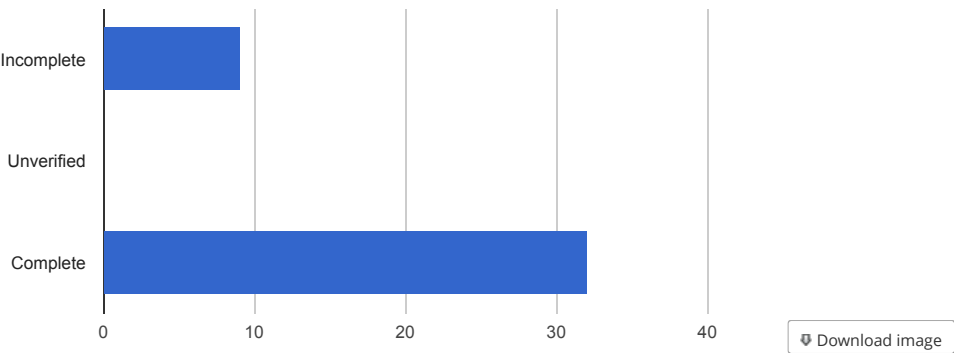
**Are there any considerations in selecting a risk of bias tool that you consider important that have not been addressed in the above questions?** *(other\_considerations)*

Total Count (N)	Missing*
9	<a href="#">32 (78.0%)</a>

**Complete?** *(nrsi\_rob\_survey\_complete)*

Total Count (N)	Missing*	Unique
41	0 (0.0%)	2

Counts/frequency: **Incomplete** (9, 22.0%), **Unverified** (0, 0.0%), **Complete** (32, 78.0%)



\* Note: Values listed as 'Missing' may include records with a Missing Data Code (if Missing Data Codes are defined).