



**Finnish Institute of
Occupational Health**

Data extraction + exercise

Basic Systematic Review Course, May 10-11, 2012

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Data extraction (or collection) form

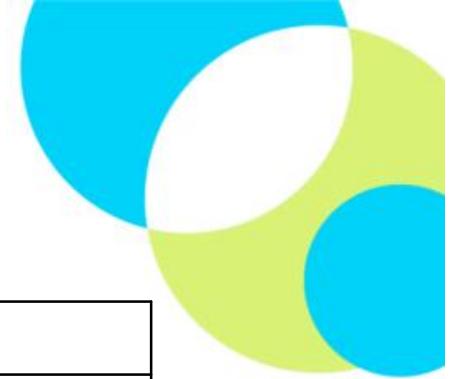


- Bridge between what is reported by the investigators and what is ultimately reported by the review authors
- Linked directly to the review question and inclusion criteria
 - > provides a clear summary (operationalisation) of these that can be applied to identified study reports
- Historical record of the decisions (and changes to decisions) that occur throughout the review process
- Source of data for inclusion in an analysis



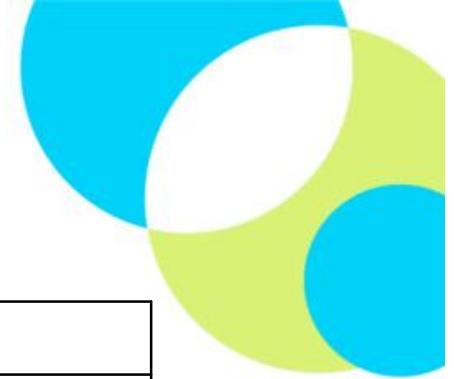
Data extraction exercise

- You have a half-filled in form titled: "Data extraction form, CSR: Interventions to prevent occupational stress in healthcare workers (update)"
- Go through the article by Rowe 2006 and fill in the results data for:
The primary outcome of interest (MBI) at 2 months
- After 10 minutes we discuss



Data extraction exercise

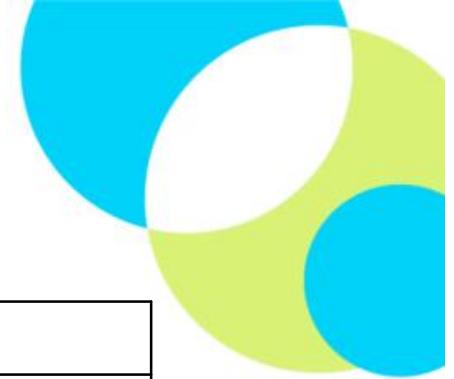
Comparison 1	A Interv 1	N: 42	B Control	N: 42
Outcome: Emotional Exhaustion				
At Baseline	25.92	4.39	26.10	4.69
At Follow-up time 2 months				
At Follow-up time 6 months	23.48	3.95	25.49	4.79
At Follow-up time 1 year	25.93	4.52	25.67	5.70
At Follow-up time 2 years	25.87	4.44	25.38	5.41
At Follow-up time 2.5 years	25.22	4.17 (n = 38)	25.17	5.10 (n = 36)
At Follow-up time 4 years	25.41	4.72 (n = 37)	25.29	4.93 (n = 34)



Data extraction exercise

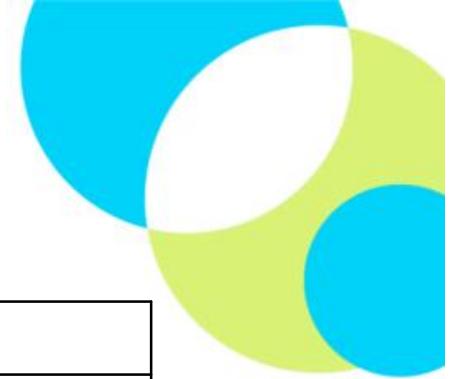
Comparison 1	A Interv 1	N: 42	B Control	N: 42
Outcome: Emotional Exhaustion				
At Baseline	25.92	4.39	26.10	4.69
At Follow-up time 2 months	23.20	4.03	25.60	4.60
At Follow-up time 6 months	23.48	3.95	25.49	4.79
At Follow-up time 1 year	25.93	4.52	25.67	5.70
At Follow-up time 2 years	25.87	4.44	25.38	5.41
At Follow-up time 2.5 years	25.22	4.17 (n = 38)	25.17	5.10 (n = 36)
At Follow-up time 4 years	25.41	4.72 (n = 37)	25.29	4.93 (n = 34)





Data extraction exercise

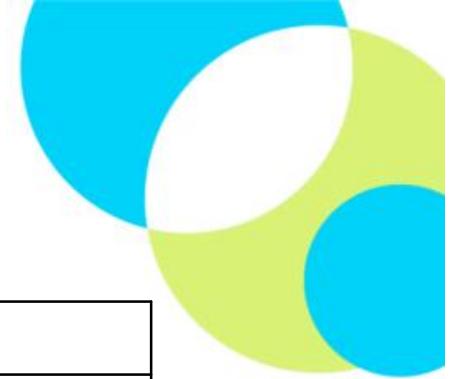
Comparison 2	A Interv 1	N: 42	B Control	N: 42
Outcome: Depersonalisation				
At Baseline	7.83	3.86	7.35	3.50
At Follow-up time 2 months				
At Follow-up time 6 months	7.00	2.35	7.56	3.43
At Follow-up time 1 year	7.77	2.01	7.79	3.35
At Follow-up time 2 years	7.58	2.12	7.49	3.39
At Follow-up time 2.5 years	7.22	2.23 (n = 38)	7.51	3.44 (n = 36)
At Follow-up time 4 years	7.41	2.04 (n = 37)	7.63	3.11 (n = 34)



Data extraction exercise

Comparison 2	A Interv 1	N: 42	B Control	N: 42
Outcome: Depersonalisation				
At Baseline	7.83	3.86	7.35	3.50
At Follow-up time 2 months	6.95	3.13	7.30	3.41
At Follow-up time 6 months	7.00	2.35	7.56	3.43
At Follow-up time 1 year	7.77	2.01	7.79	3.35
At Follow-up time 2 years	7.58	2.12	7.49	3.39
At Follow-up time 2.5 years	7.22	2.23 (n = 38)	7.51	3.44 (n = 36)
At Follow-up time 4 years	7.41	2.04 (n = 37)	7.63	3.11 (n = 34)

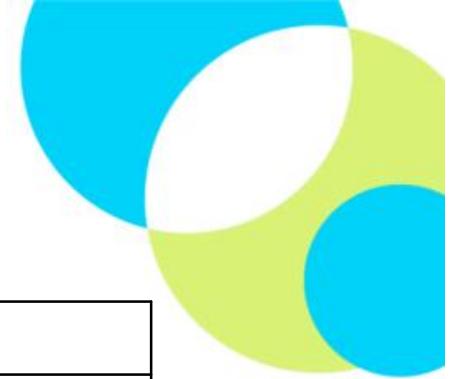




Data extraction exercise

Comparison 3	A Interv 1	N: 42	B Control	N: 42
Outcome: Lack of personal accomplishment				
At Baseline	37.95	3.75	37.90	4.34
At Follow-up time 2 months				
At Follow-up time 6 months	35.72	3.90	37.26	4.45
At Follow-up time 1 year	37.72	3.81	37.46	5.31
At Follow-up time 2 years	37.67	4.05	37.03	5.04
At Follow-up time 2.5 years	37.88	3.75 (n = 38)	36.98	4.96 (n = 36)
At Follow-up time 4 years	37.89	4.01 (n = 37)	37.20	4.79 (n = 34)





Data extraction exercise

Comparison 3	A Interv 1	N: 42	B Control	N: 42
Outcome: Lack of personal accomplishment				
At Baseline	37.95	3.75	37.90	4.34
At Follow-up time 2 months	35.10	3.96	37.38	4.28
At Follow-up time 6 months	35.72	3.90	37.26	4.45
At Follow-up time 1 year	37.72	3.81	37.46	5.31
At Follow-up time 2 years	37.67	4.05	37.03	5.04
At Follow-up time 2.5 years	37.88	3.75 (n = 38)	36.98	4.96 (n = 36)
At Follow-up time 4 years	37.89	4.01 (n = 37)	37.20	4.79 (n = 34)



