## Meat Avoidance & Mental Health

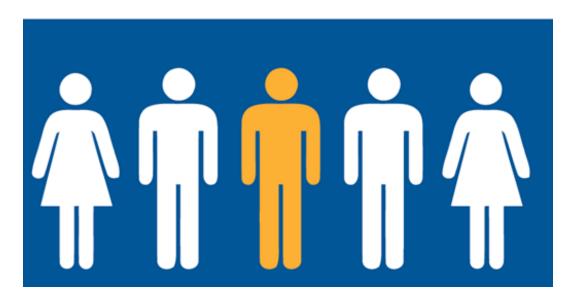
Systematic, Meta-Analytic, & Scoping Reviews
Urska Dobersek, Ph.D., CMPC





#### Meat Abstention & Mental Health

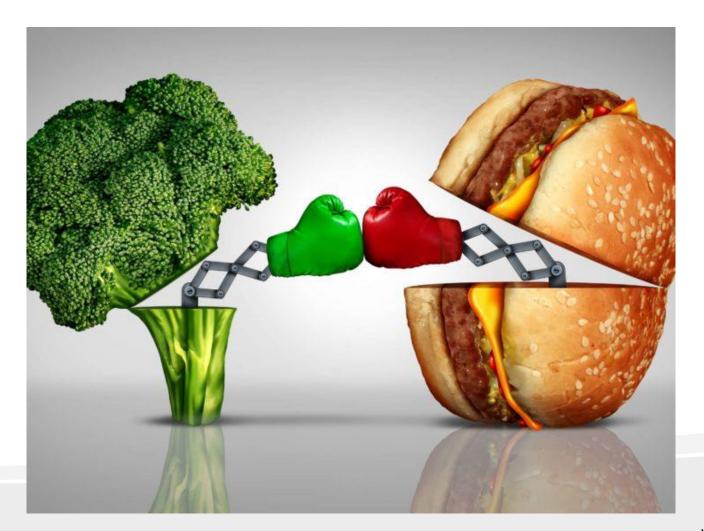
Approximately 1 in 5 U.S. adults has a mental health disorder.





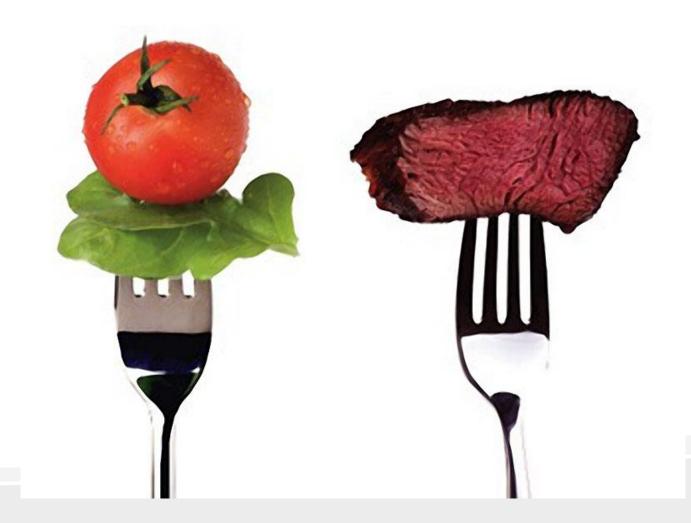


# Contradictory Evidence

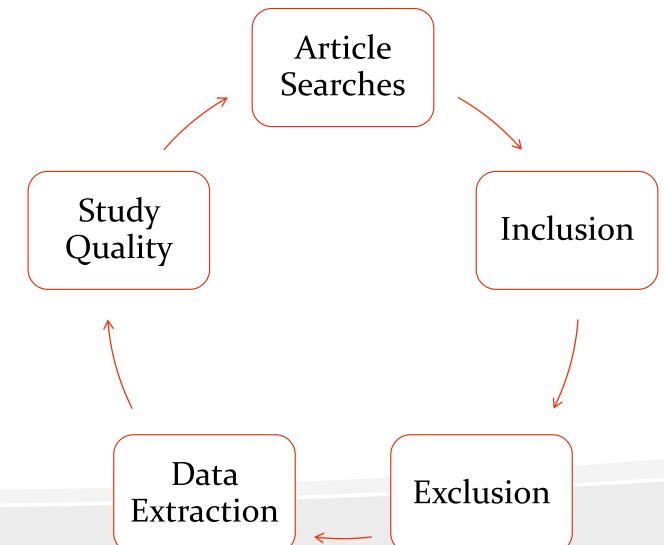


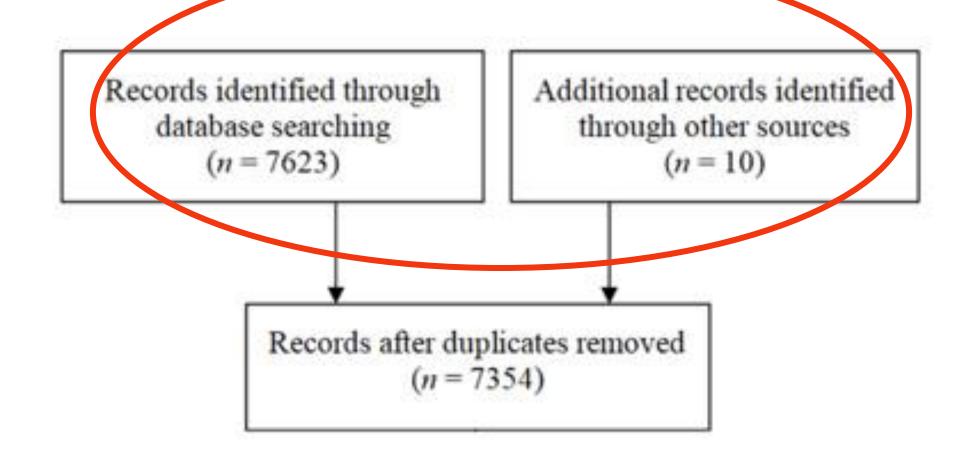


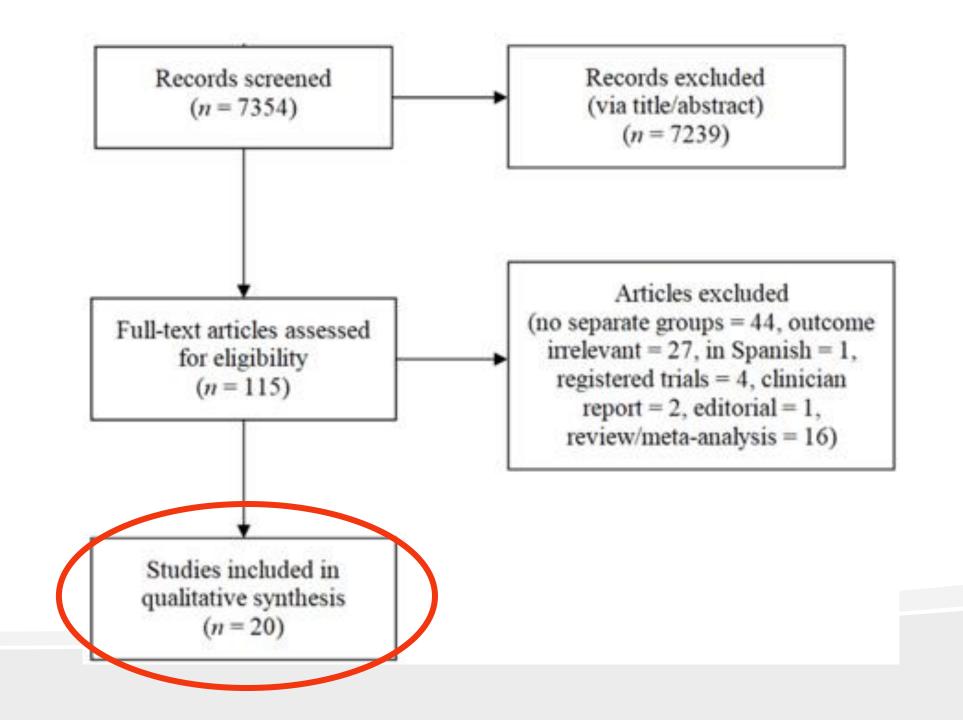
## The Need for Clarity





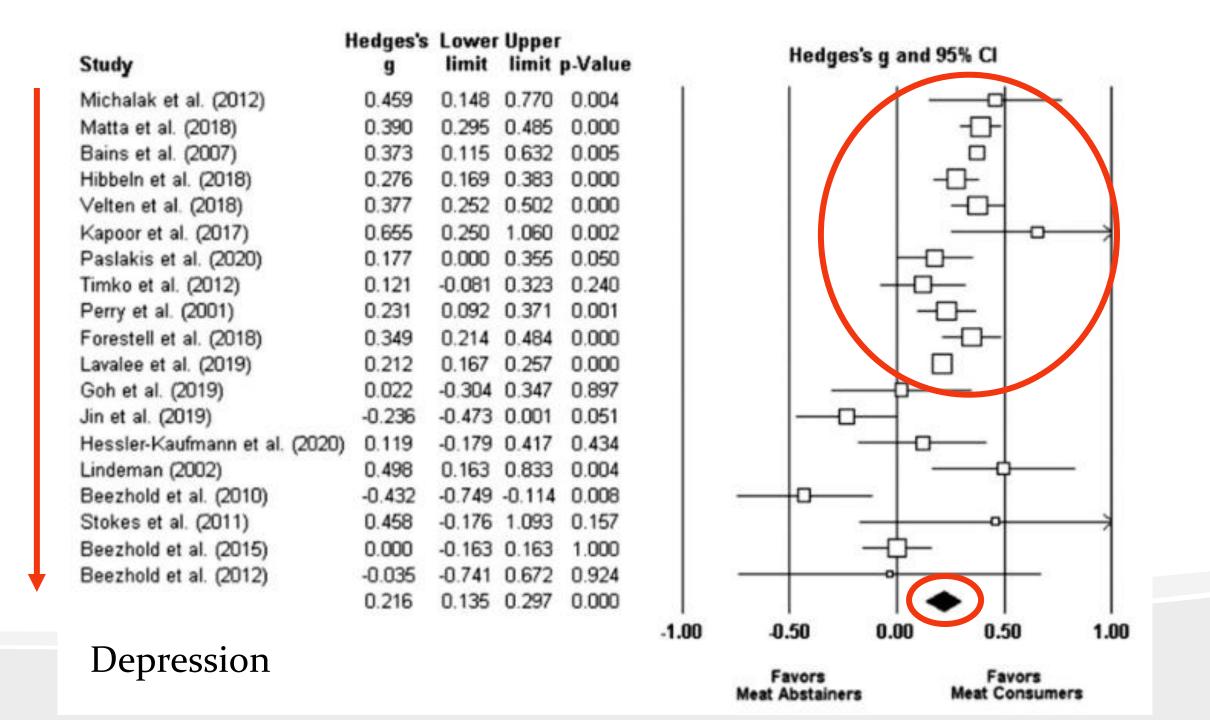


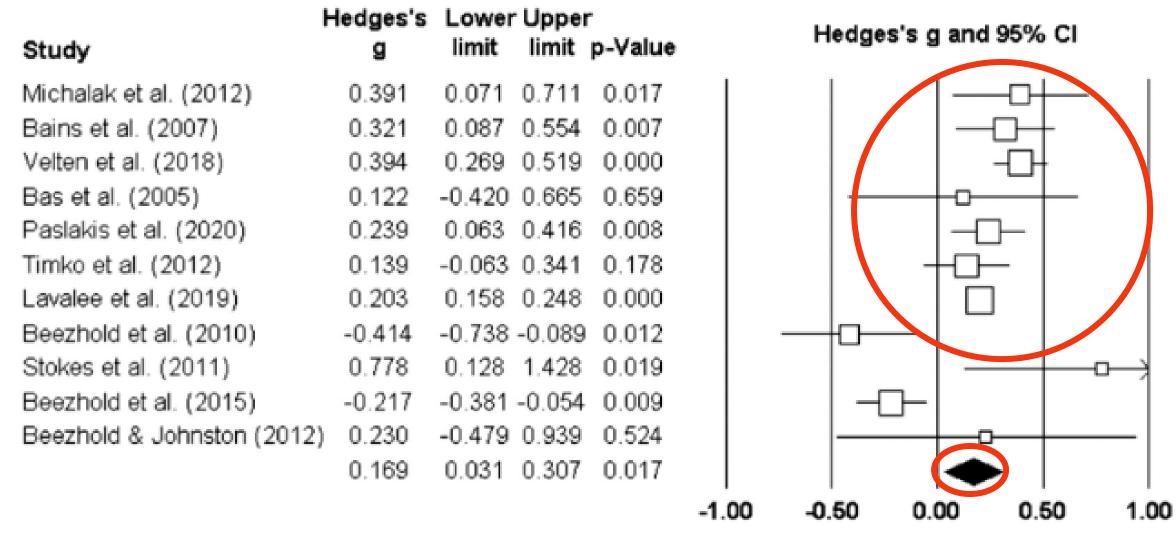




	Favored Meat Eaters	Favored Vegans/ Vegetarians	
<b>Primary</b> Outcomes	n = 143,760	n = 758	
	9 studies	2 studies	

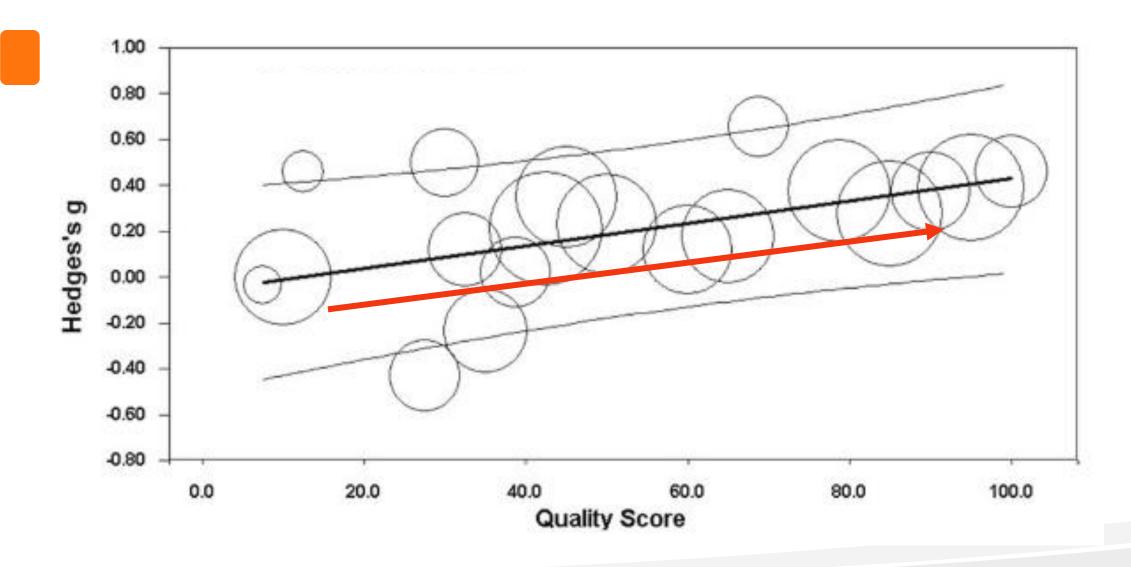
	Favored Meat Eaters	Favored Vegans/ Vegetarians	
<b>Secondary</b> Outcomes	n = 36,597	n = 797	
	4 studies	3 studies	



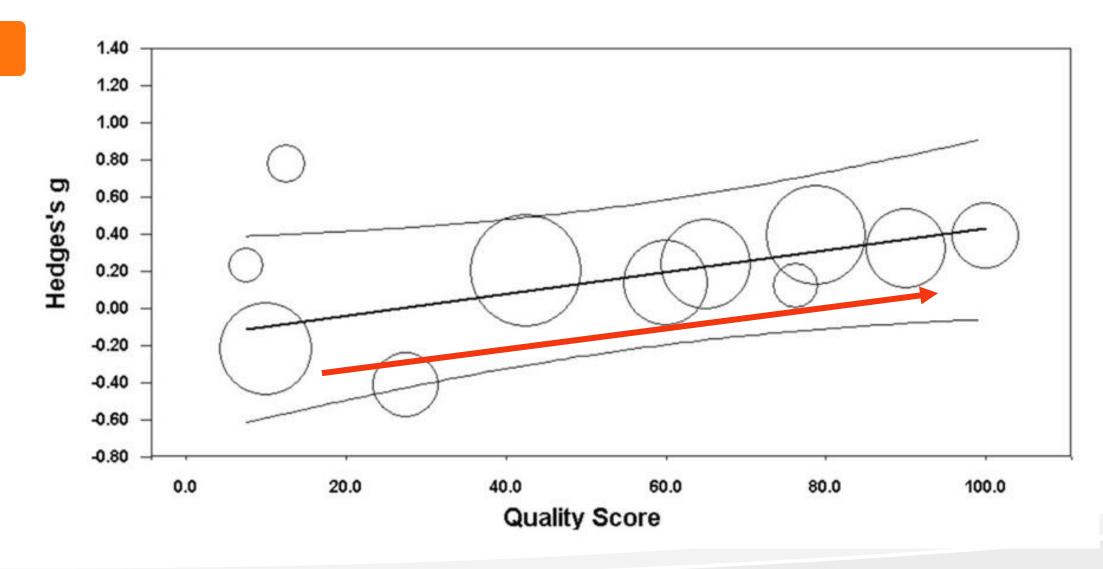


Anxiety

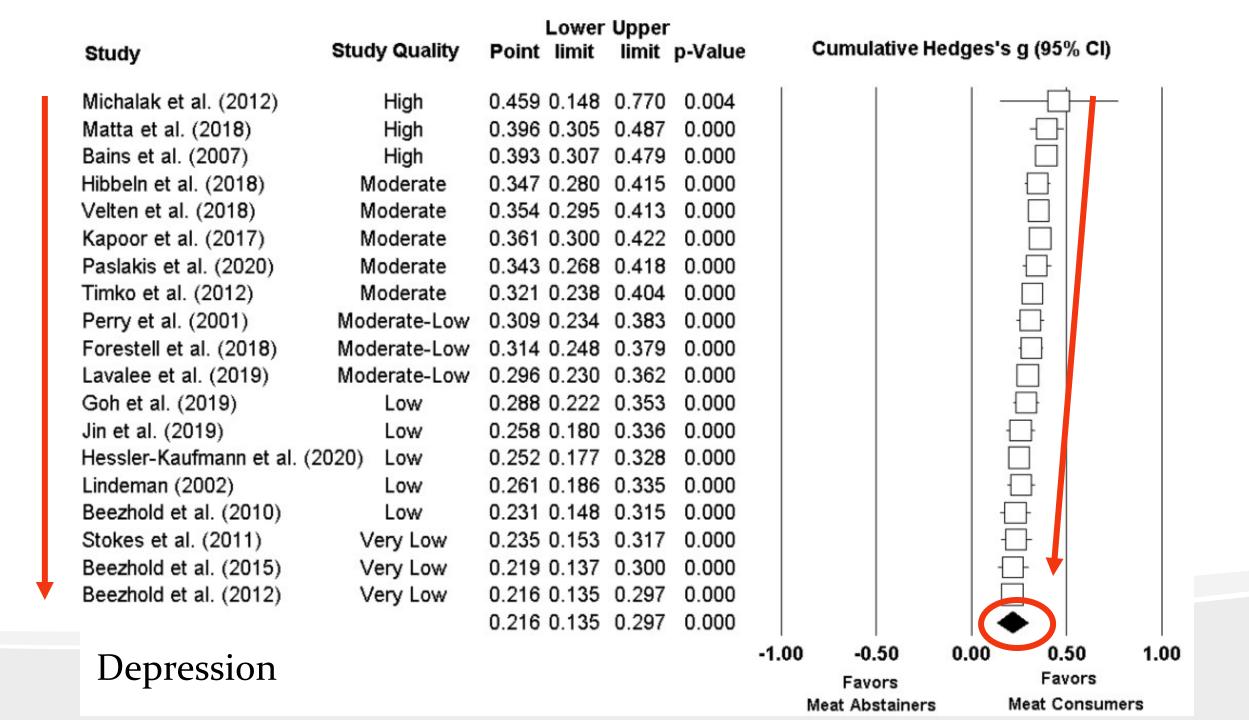
Favors Meat Abstainers Favors Meat Consumers

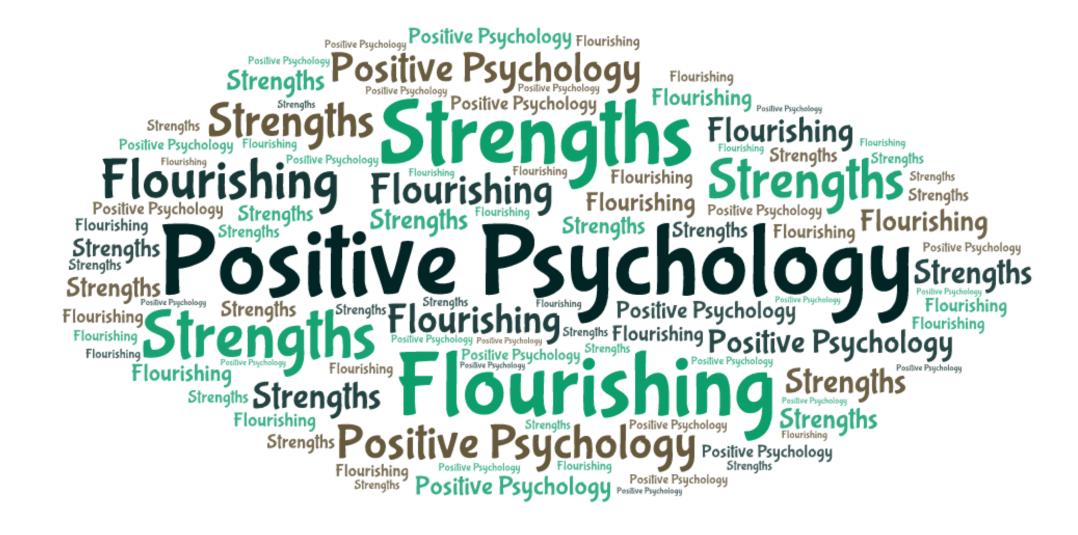


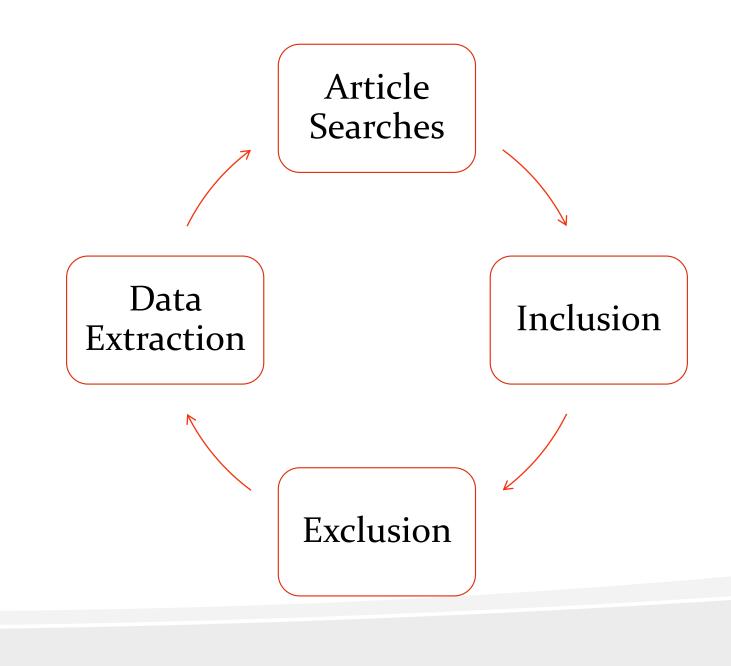
Depression

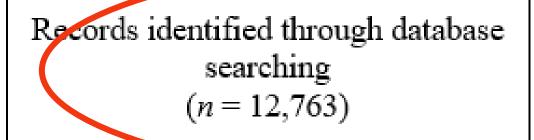


Anxiety



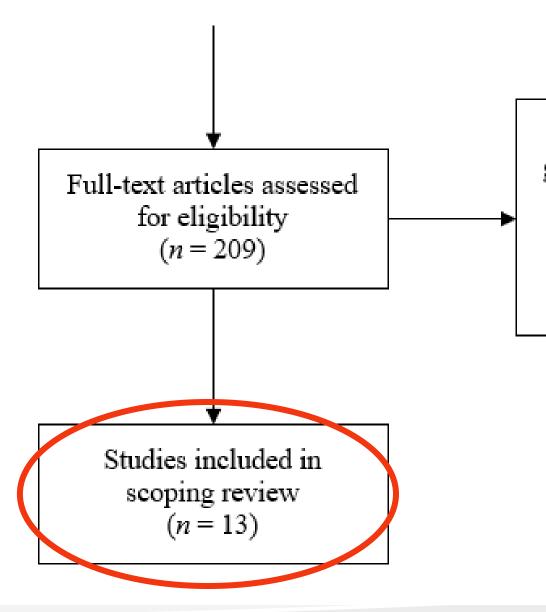






Additional records identified through other sources (n = 31)

Records after duplicates removed (n = 10,395)



Articles excluded (no separate groups = 73, irrelevant outcome = 75, registered trials (irrelevant outcomes) = 19, commentaries/reports = 14, reviews/meta-analyses = 15)

	Favored Meat Eaters	NS	Favored Vegans/ Vegetarians
<b>Primary</b> Outcomes	n = 47,863	n = 79,210	<i>n</i> = 0
	2 studies	7 studies	O studies

	Favored Meat Eaters	NS	Favored Vegans/ Vegetarians
Secondary Outcomes	n = 403	n = 37,742	<i>n</i> = 0
	1 study	3 studies	0 studies



#### Discussion

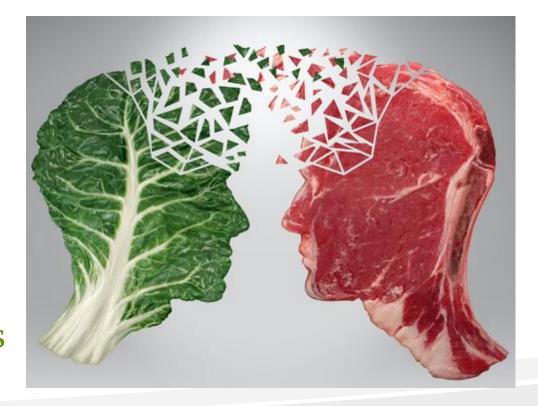
- Meat abstention
  - Depression
  - Anxiety
  - Self-harm
- No sex differences
- Study quality

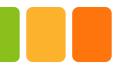




## Strengths/Limitations of the Literature

- Assessment
  - Psychological outcomes
  - Dietary status
- Recruitment/Sampling
- Confounders
- No causal & temporal inferences





### Our Reviews

#### Strengths

- Clear distinction
  - Meat abstainers/eaters
- Well-defined psychological constructs
- Large sample size

#### Limitations

- Non-English language studies
- Excluded many studies on the topic



#### Recommendations

Objective assessments

Probably sampling

Complete reporting

• Rigorous designs



#### Critical Reviews in Food Science and Nutrition

Meat and mental health: a systematic review of meat abstention and depression, anxiety, and related phenomena

Urska Dobersek ☑, Gabrielle Wy, Joshua Adkins, Sydney Altmeyer, Kaitlin Krout, Carl J. Lavie & ...show all



# Meat and mental health: A meta-analysis of meat consumption, depression, and anxiety

Urska Dobersek ☑, Kelsey Teel, Sydney Altmeyer, Joshua Adkins, Gabrielle Wy & Jackson Peak

