**PRISMA 2009 Flow Diagram**

Full-text articles assessed for eligibility
(n = 421)

Records screened
(n = 804)

Records after duplicates removed
(n = 804)

Additional records identified through other sources
(n = 5)

## Identification

## Eligibility

## Included

## Screening

Records identified through database searching
(n = 1370; PM: 518, SC: 717, SD: 135)

Records excluded based on tittle and abstract
(n = 383)

Full-text articles excluded (n = 395)

Reviews (82)

Cognitive evaluation rather than interventions (54)

Alcohol Use is not included or there are no isolated alcohol use results (16)

No control group (40)

No prospective studies (12)

Neuroimaging studies (5)

Animal studies (2)

No cognitive outcome or irrelevant to the topic of the review (184)

Pharmacological interventions (n=12)

Neuropsychological interventions (n=14)

Studies included in qualitative synthesis
(n = 26)

 Figure 1. Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) flow chart.

PM: Pubmed; SC: Scopus; SD: Science Direct.