

INPLASY

The effect of high temperature on dementia health outcome: A systematic review and meta-analysis

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ADMINISTRATIVE INFORMATION

Support - School.

Review Stage at time of this submission - Formal screening of search results against eligibility criteria.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202610070

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 20 January 2026 and was last updated on 20 January 2026.

INTRODUCTION

Review question / Objective The Effects of High Temperatures on Dementia.

Condition being studied Primarily includes Alzheimer's disease.

METHODS

Participant or population All.

Intervention High temperature.

Comparator Comfortable temperature.

Study designs to be included case-crossover study and cohort study.

Eligibility criteria 1.No full text available. 2.Not English.

Information sources Embase / PubMed / Web of Science.

Main outcome(s) Mortality and hospital admissions.

Quality assessment / Risk of bias analysis Newcastle-Ottawa Scale (NOS)NOS.

Strategy of data synthesis Meta-analysis.

Subgroup analysis 1. Mortality and Hospital admissions; 2. Extreme Temperature and Heatwaves.

Sensitivity analysis Sensitivity analysis.

Language restriction English.

Country(ies) involved China.

Keywords high temperature; dementia; alzheimer.

Contributions of each author

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