

# INPLASY

## Knowledge, attitude, and practice of general practitioners on the diagnosis and management of migraine: a systematic review

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Lam, MT; Stone, AH; Neden, CA.

### Corresponding author:

Michael Lam

m.lam672@kmms.ac.uk

### Author Affiliation:

Kent and Medway Medical School,  
University of Kent.

### ADMINISTRATIVE INFORMATION

**Support** - No financial support received.

**Review Stage at time of this submission** - Preliminary searches.

**Conflicts of interest** - None declared.

**INPLASY registration number:** INPLASY202430134

**Amendments** - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 31 March 2024 and was last updated on 31 March 2024.

### INTRODUCTION

**Review question / Objective** To summarise the peer-reviewed literature on the knowledge, attitude and practice of general practitioners/family physicians on the diagnosis and management of migraine.

**Rationale** To our knowledge, there has been no comprehensive systematic review on this topic, so this report serves to fill the gap in the medical literature.

**Condition being studied** Migraine headaches.

### METHODS

**Search strategy** Databases used are: Ovid Medline, Ovid Embase, Wiley Cochrane Library and Ovid PsycInfo.  
Search terms include:

Concept 1) family practice/, physician, family/, primary healthcare/, general practitioner\*, GPs, family physician\*, family doctor\*, family practitioner\*, primary care physician\*, primary care doctor\*, general practice\*, family practice\*, family medicine, GP clinic\*, GP surger\*, GP office\*, family medicine clinic\*, family practice clinic\*,  
Concept 2) attitude/, practice patterns, physicians'/, health knowledge, attitudes, practice/, drug prescriptions/, perspective\*, take\*, view\*, opinion\*, think\*, thought\*, evaluat\*, prefer\*, like\*, dislike\*, idea\*, comment\*, attitude\*, approach\*, handl\*, prescri\*, expect\*, training\*, know\*, education\*, practice\*, habit\*, protocol\*, prepared\*, readiness\*, background\*, experience\*, role\*, follow\*, pattern\*,  
Concept 3) migraine disorders/, migraine\*.

**Participant or population** Family physicians/general practitioners who have treated migraine patients.

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**Intervention** Knowledge, attitude, practice of physicians.

**Comparator** Different knowledge, attitude, practice of different physicians.

**Study designs to be included** Both qualitative and quantitative primary studies on knowledge, attitude and practice.

**Eligibility criteria** Inclusion criteria: family physician/general practitioner, general practitioner trainee; knowledge, attitude, practice, practice patterns, prescribing patterns; migraine disorders; primary studies, empirical studies, peer-reviewed articles; English language, studies since 1991. Exclusion criteria: Non-GP physicians, medical students, allied health professionals, mid-level providers, nurse practitioners, physician assistants; patients' KAP, practice guidelines, diagnostic or treatment algorithms, socio-economic studies, education programme or support for GPs; non-migraine headaches; non-peer-reviewed studies, review papers, conference abstracts, clinical trials in progress, unfinished studies, study protocols, editorials, case reports, commentaries, opinion-based articles, books, non-English materials, studies older than 1991.

**Information sources** Electronic databases: Ovid Medline, Ovid Embase, Wiley Cochrane Library, Ovid PsycInfo.

**Main outcome(s)** A summary of quantitative and qualitative data on the current knowledge, attitude and practice of general practitioners/family physicians in regards to the diagnosis and management of migraine as reflected in the primary studies in the peer-reviewed literature.

**Quality assessment / Risk of bias analysis** CEBMa Critical Appraisal of a Survey, JBI Critical Appraisal Checklist for Analytical Cross Sectional Studies, CASP Checklist: 12 questions to help you make sense of a Cohort Study, CASP Checklist: 10 questions to help you make sense of a Qualitative research, CASP Checklist: 10 questions to help you make sense of a Case Control Study, JBI Critical Appraisal Checklist for Quasi-Experimental Studies.

**Strategy of data synthesis** Due to the heterogeneity of data in the literature, we will most likely use narrative method to summarise the findings.

**Subgroup analysis** Not applicable.

**Sensitivity analysis** Not applicable.

**Language restriction** English only.

**Country(ies) involved** United Kingdom.

**Keywords** knowledge, attitude, practice; general practitioners; family physicians; migraine.

**Dissemination plans** Will submit to peer-reviewed journal.

#### **Contributions of each author**

Author 1 - Michael Lam - Conception and design, acquisition, analysis and interpretation of data, original drafting and final approval of manuscript, project administration.

Email: m.lam672@kmms.ac.uk

Author 2 - Alfie Stone - Acquisition, analysis and interpretation of data, editing and final approval of manuscript, administrative tasks.

Email: a.stone2550@kmms.ac.uk

Author 3 - Catherine Neden - Provided opinion and guidance on conception and design, provided guidance and expert opinion on acquisition, analysis and interpretation of data, provided expert opinion on subject matter, editing and final approval of manuscript.

Email: catherine.neden@kmms.ac.uk