

APPENDIX 1. FULL SEARCH STRATEGY

Search date: October 24, 2024

Databases searched: PubMed/MEDLINE, Scopus, Web of Science (Core Collection)

Languages: English and Spanish

Time restriction: January 1, 2014 – October 2024

Study type: Observational studies

Population: Medical students

Filters applied: Humans, English/Spanish, articles only

1. PubMed (MEDLINE) — Complete Search Strategy

Date searched: 24 October 2024

Filters applied: Humans; English/Spanish; 2014–2024; Journal Article

Search string:

```
((("Students, Medical"[MeSH Terms] OR "medical students"[Title/Abstract])
AND
("academic performance"[Title/Abstract] OR "academic achievement"[Title/Abstract]
OR GPA[Title/Abstract] OR grades[Title/Abstract] OR "grade point average"[Title/Abstract]
OR examinations[Title/Abstract] OR OSCE[Title/Abstract] OR USMLE[Title/Abstract]))
AND
("psychosocial factors"[Title/Abstract] OR "psychosocial"[Title/Abstract]
OR "mental health"[Title/Abstract] OR stress[Title/Abstract]
OR anxiety[Title/Abstract] OR depression[Title/Abstract]
OR burnout[Title/Abstract] OR "emotional intelligence"[Title/Abstract]
OR motivation[Title/Abstract] OR resilience[Title/Abstract]
OR "social support"[Title/Abstract]))
```

Results obtained: 1,170 articles

2. Scopus — Complete Search Strategy

Date searched: 24 October 2024

Filters applied: 2014–2024; English/Spanish; Article

Search string:

```
(TITLE-ABS-KEY("medical students") AND TITLE-ABS-KEY("academic performance" OR
"academic achievement" OR GPA OR "grade point average" OR examination OR OSCE OR
USMLE) AND TITLE-ABS-KEY(psychosocial OR "psychosocial factors" OR stress
OR anxiety OR depression OR burnout OR "emotional intelligence"
OR motivation OR resilience OR "social support"))
```

Results obtained: 3,669 articles

3. Web of Science (Core Collection) — Complete Search Strategy

Indexes searched: SCI-EXPANDED, SSCI, ESCI

Date searched: 24 October 2024

Filters applied: Article; English/Spanish; 2014–2024

Search string (Topic Search – TS):

TS = (("medical students") AND ("academic performance" OR "academic achievement" OR GPA OR "grade point average" OR examinations OR OSCE OR USMLE) AND ("psychosocial factors" OR psychosocial OR stress OR anxiety OR depression OR burnout OR "emotional intelligence" OR motivation OR resilience OR "social support"))

Results obtained: 1,238 articles

4. Additional Searches

4.1 ProQuest (Gray Literature)

Searched using the same key terms.

No additional eligible studies were identified.

4.2 Manual Search

Reference list screening yielded one additional study (2015) that met eligibility criteria.

5. Databases Not Included in Systematic Search

Google Scholar

Excluded due to lack of reproducibility, excessive noise, and inability to systematically apply filters.

Cochrane Library

Reviewed during preliminary exploration but excluded from the formal systematic search because no primary observational studies relevant to this topic were identified.