



A systematic review of nursing cognitive workload for improved patient care and reduced Healthcare Acquired Infections

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Rationale

- COVID-19 pandemic showed the necessity of healthcare workers.
- Improvements would be needed in patient care and HAI reduction in order to prepare for future pandemics
- Goal of the paper was to analyze cognitive workload for nurses in order to reduce hospital acquired infections

Methodology

- Collected sources from databases and journals
- Used search terms like cognitive load, hospital acquired infections, error reduction
- Trends in the literature are identified and analyzed

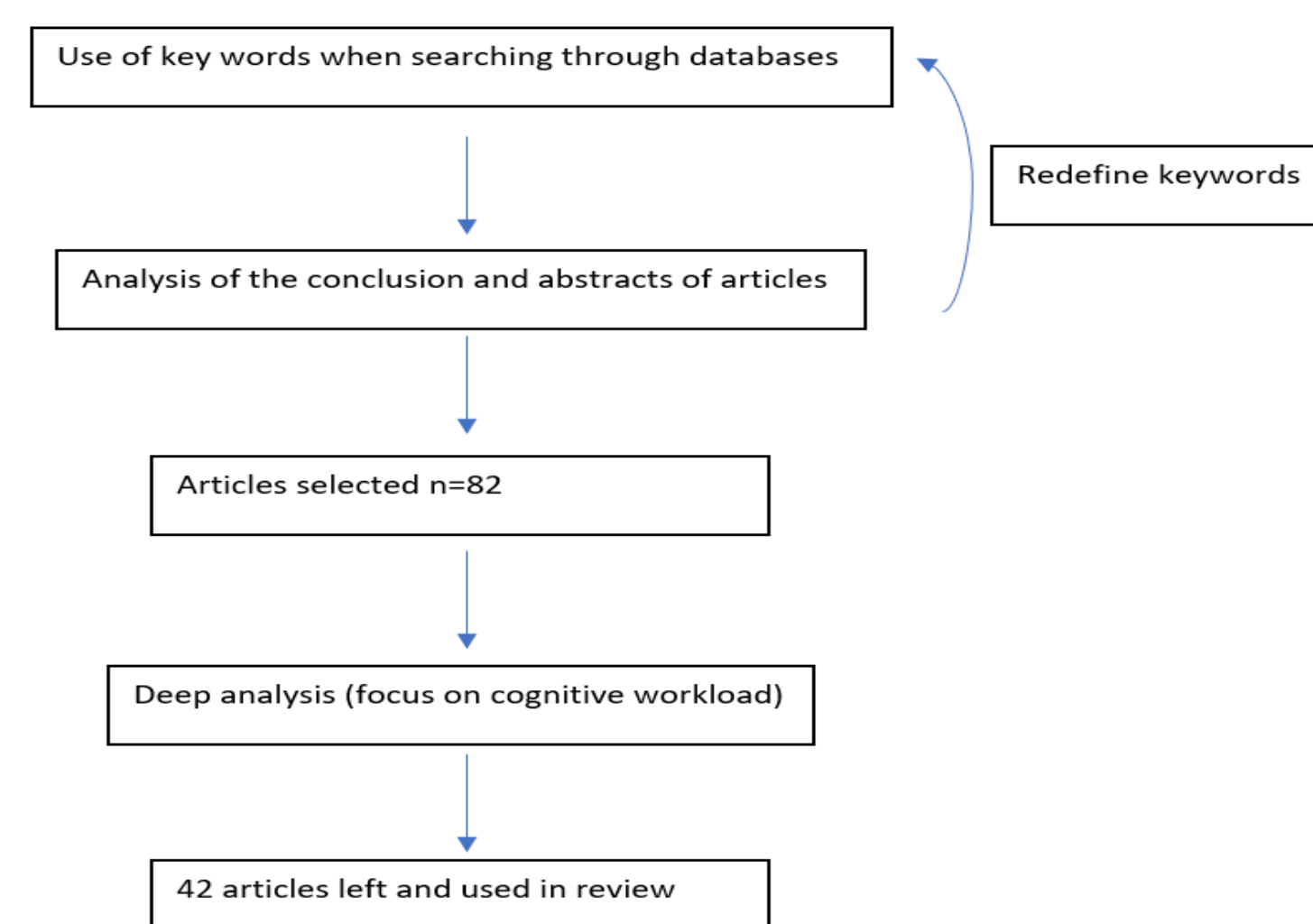


Figure 1: Step by step process of the review

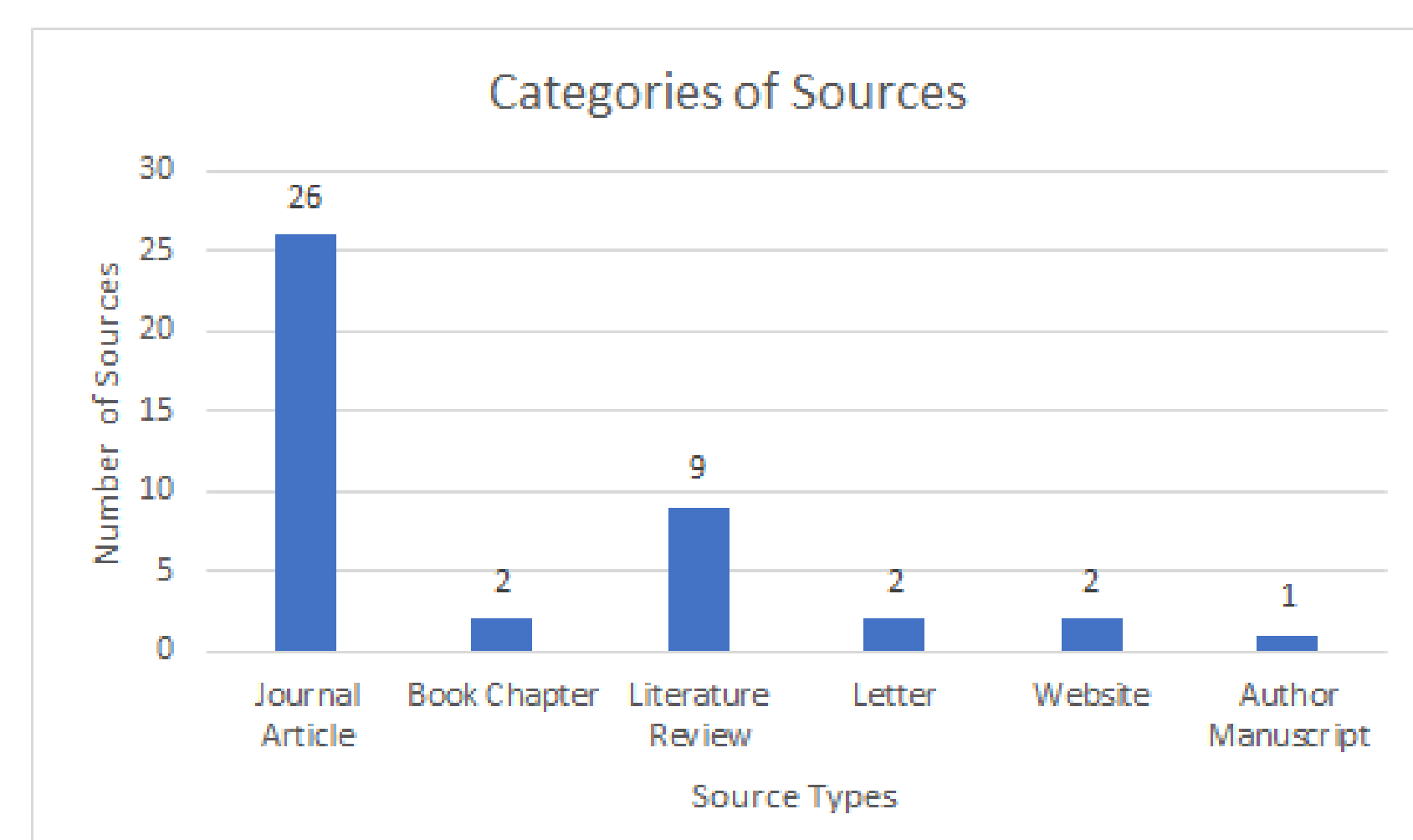


Figure 2: Types of Sources used

Results



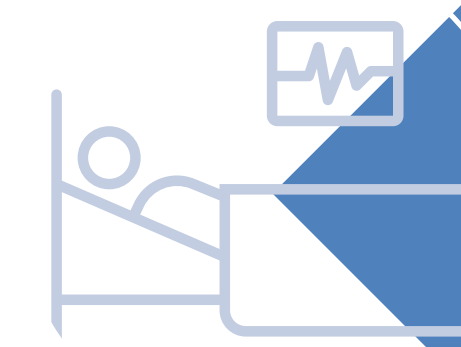
Analyzed engineering methods of measuring cognitive workload for nurses



Assessed the costs, reasons of spread, and types of HAIs



Established a relationship between HAIs and cognitive workload



Explored the impact of HAIs on patient safety

Table 1: Major themes of the review

Conclusions

Two gaps in the literature were identified,

- A standard method of measuring nursing cognitive workload does not exist
- A system to validate said measuring method does not exist

Acknowledgements and References

This work was funded through the University of Dayton's Summer Undergraduate Research Experience Program