

Appendix A: Medline Search Strategy (OVID)

1. nurse*.mp. (303447)
2. nurses/ or nurse administrators/ or nurse practitioners/ or nurse specialists/ or nurses, community health/ or nurses, international/ or nurses, male/ or nurses, public health/ or nursing staff, hospital/ (105987)
3. exp nurse/ (81652)
4. exp nursing staff/ (62823)
5. nurse's role/ (38554)
6. nursing informatics* .mp. (1628)
7. 1 or 2 or 3 or 4 or 5 or 6 [nurse set] (331029)
8. informatics/ or medical informatics/ or nursing informatics/ (12644)
9. health informatics.mp. (2379)
10. 8 or 9 [informatics set] (14233)
11. competenc*.mp. (158566)
12. nurse administrator (12570)
13. 7 or 12 [nursing set] (331029)
14. clinical competence/ (80867)
15. 10 and 13 (1853)
16. 11 or 14 [competency set] (158566)
17. 15 and 16 (334)
18. nurse manage*.mp. (3237)
19. 17 and 18 (7)
20. nurse leader*.mp. (1623)
21. 17 and 20 (11)
22. 17 or 19 or 21 (334)

Appendix B: Data Extraction table

| Overview | |
|--|---|
| Study summary | Author(s) |
| | Date of publication |
| | Type of study (Published/Grey) |
| | Country |
| | Objectives/Aims/Research Questions |
| | Design/Methods |
| | Setting |
| | Participants (type of nurse leader) |
| | Results |
| | Research Questions |
| Scoping review question 1: What nurse leader informatics competencies have been identified in the literature? | Reported informatics leadership competencies for nurse leaders Organization of reported informatics competencies for nurse leaders |
| Scoping review question 2: What frameworks or theories have been utilized in the development of informatics competencies for nurse leaders? | Framework or theory(s): use and application |
| Scoping review question 3: What instruments have been developed and are being used to assess the informatics competencies of nurse leaders? | Instrument(s) developed to assess informatics competencies of nurse leaders (name, number of items, what instrument measures) |
| Scoping review question 4: What are the psychometric properties of the instruments identified for the assessment of nurse leaders' informatics competencies? | Psychometric properties of the instruments (e.g., reported reliability, validity, factors) |

| Quality | |
|-------------|--|
| Grade Score | |