# Evidence Search Service Results of your search request

## In-situ simulation being used to stress-test systems and to shape or change clinical guidance - [COVID-19]

**ID of request:** 23713  
**Date of request:** 11th June, 2020  
**Date of completion:** 15th June, 2020

If you would like to request any articles or any further help, please contact:  Kevin Burgoyne at [kevin.burgoyne@nhs.net](mailto:kevin.burgoyne@nhs.net)

Please acknowledge this work in any resulting paper or presentation as: Evidence search: In-situ simulation being used to stress-test systems and to shape or change clinical guidance - [COVID-19]. Kevin Burgoyne. (15th June, 2020). BRIGHTON, UK: Brighton and Sussex Library and Knowledge Service.

**Sources searched**  
EMBASE (4)  
MEDLINE (7)  
NICE Evidence Search (0)

**Date range used** (5 years, 10 years): -   
**Limits used** (gender, article/study type, etc.): -   
**Search terms and notes** (full search strategy for database searches below):

Scoping search - NICE Evidence: in-situ simulation; in situ simulation covid

Scoping search revealed search needs to differentiate between the majority of studies which are looking at CPD / Education of individuals, and the ones where simulation changes organisational, departmental practice. Studies may evaluate both -

Further terms identified: evaluation of practice / Quality improvement cycle / patient safety / latent threats / environmental factors /

For full search strategy Medline / Embase see below. Adapted from related question on cpr for same requester. Results screened for relevance.

For more information about the resources please go to: <https://www.bsuh.nhs.uk/library/>.

## Search History

|  | **Source** | **Criteria** | **Results** |
| --- | --- | --- | --- |
| 1. | Medline | exp "SIMULATION TRAINING"/ | 8695 |
| 2. | Medline | (simulation\* ADJ3 (in-situ OR real-life OR real-world)).ti,ab | 873 |
| 3. | Medline | (1 OR 2) | 9407 |
| 4. | Medline | (coronavir\* OR "Corona vir\*" OR ncov\* OR "n-cov\*" OR COVID\*).ti,ab | 32172 |
| 5. | Medline | ("2019-nCoV" OR "SARS-CoV\*" OR "MERS-CoV\*" OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome").ti,ab | 12875 |
| 6. | Medline | exp CORONAVIRUS/ OR exp "CORONAVIRUS INFECTIONS"/ | 20074 |
| 7. | Medline | exp CORONAVIRUS/ OR exp "CORONAVIRUS INFECTIONS"/ | 20074 |
| 8. | Medline | (4 OR 5 OR 6 OR 7) | 41450 |
| 9. | Medline | (3 AND 8) | 17 |
| 10. | Medline | "QUALITY IMPROVEMENT"/ | 23966 |
| 11. | Medline | "RISK MANAGEMENT"/ | 18067 |
| 12. | Medline | "SAFETY MANAGEMENT"/ OR "ORGANIZATIONAL CULTURE"/ OR "PATIENT SAFETY"/ | 52949 |
| 13. | Medline | ((system\* OR latent OR organi#ation\* OR environment\* OR underlying OR root OR stress OR workflow\* OR procedure\*) ADJ3 (safe\* OR problem\* OR hazard\* OR defect\* OR risk\* OR error\* OR test\* OR manage\* OR vulnerab\*)).ti,ab | 376937 |
| 14. | Medline | ((quality OR practice OR guideline OR policy) ADJ3 (improve\* OR develop OR enhance\*)).ti,ab | 177338 |
| 15. | Medline | "PRACTICE GUIDELINES AS TOPIC"/ | 116797 |
| 16. | Medline | (10 OR 11 OR 12 OR 13 OR 14 OR 15) | 721042 |
| 17. | Medline | (9 AND 16) | 3 |
| 18. | EMBASE | exp "SIMULATION TRAINING"/ | 4933 |
| 19. | EMBASE | (simulation\* ADJ3 (in-situ OR real-life OR real-world)).ti,ab | 1050 |
| 20. | EMBASE | (18 OR 19) | 5854 |
| 21. | EMBASE | (coronavir\* OR "Corona vir\*" OR ncov\* OR "n-cov\*" OR COVID\*).ti,ab | 38429 |
| 22. | EMBASE | ("2019-nCoV" OR "SARS-CoV\*" OR "MERS-CoV\*" OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome").ti,ab | 15837 |
| 23. | EMBASE | exp "CORONAVIRUS INFECTIONS"/ OR exp CORONAVIRINAE/ | 28363 |
| 24. | EMBASE | exp "CORONAVIRUS INFECTIONS"/ OR exp CORONAVIRINAE/ | 28363 |
| 25. | EMBASE | (21 OR 22 OR 23 OR 24) | 52833 |
| 26. | EMBASE | (20 AND 25) | 23 |
| 27. | EMBASE | "TOTAL QUALITY MANAGEMENT"/ | 64297 |
| 28. | EMBASE | "PATIENT SAFETY"/ OR "SAFETY CLIMATE"/ OR "SAFETY CULTURE"/ | 114302 |
| 29. | EMBASE | "RISK MANAGEMENT"/ | 42328 |
| 30. | EMBASE | ((system\* OR latent OR organi#ation\* OR environment\* OR underlying OR root OR stress) ADJ3 (safe\* OR problem\* OR hazard\* OR defect\* OR risk\* OR error\* OR test\* OR manage\* OR vulnerab\*)).ti,ab | 321225 |
| 31. | EMBASE | ((quality OR practice OR guideline OR policy) ADJ3 (improve\* OR develop OR enhance\*)).ti,ab | 235887 |
| 32. | EMBASE | "PRACTICE GUIDELINE"/ OR "CLINICAL PATHWAY"/ OR "CLINICAL PROTOCOL"/ OR "NURSING PROTOCOL"/ | 514977 |
| 33. | EMBASE | (27 OR 28 OR 29 OR 30 OR 31 OR 32) | 1186471 |
| 34. | EMBASE | (26 AND 33) | 5 |

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