**ONLINE DATA SUPPLEMENT**

**Search Strategies**

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| **Ovid MEDLINE / PubMed** |
| 1. Civil Defense/
2. Emergency Medical Service Communication Systems/ or "incident command".mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
3. exp Biological Warfare/
4. exp chemical warfare/
5. exp nuclear warfare/
6. Disasters/ or disaster planning/
7. exp Disease Outbreaks/
8. 1 or 2 or 3 or 4 or 5 or 6 or 7
9. ("preparedness" or "response" or "planning" or "readiness" or "surveillance").ab,ti.
10. 8 and 9
11. (("biothreat" or "bioterrorism" or "catastrophe" or "catastrophes" or "catastrophic" or "crisis" or "crises" or "disaster" or "disasters" or "emergency" or "emergencies" or "influenza" or "hazard" or "mass casualty" or "mass casualties" or "outbreak" or "outbreaks" or "epidemic" or "epidemics" or "pandemic" or "pandemics" or "relief" or "terrorism") adj2 ("preparedness" or "response" or "planning" or "readiness" or "surveillance" or "management" or "recovery")).ab,ti.
12. 10 or 11
13. Education, Public Health Professional/
14. curriculum/ or teaching/
15. Educational Model/
16. Simulation Training/ or Computer Simulation/
17. exp Professional Competence/
18. Operations Research/
19. exp Inservice Training/
20. ("assessment" or "assess" or "assessed" or "assessing" or "barrier" or "barriers" or "best practice" or "best practices" or "capacity" or "competence" or "competency" or "competencies" or "course" or "courses" or "curricula" or "curriculum" or "education" or "educational" or "engagement" or "evaluation" or "evaluate" or "evaluating" or "evaluated" or "exercise" or "exercises" or "drill" or "drills" or "lesson" or "lessons" or "model" or "modeling" or "modelling" or "simulation" or "simulations" or "train" or "trained" or "training" or "workshop" or "workshops" or "refresher" or "guideline" or "guidelines" or "protocol" or "protocols" or "knowledge" or "toolkit" or "toolkits" or "teach" or "teaching" or "taught").ab,ti.
21. 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20
22. Decision-making, Organizational/
23. Cooperative Behavior/
24. hospital administration/ or institutional management teams/ or organizational innovation/
25. Public Health administration/
26. Interinstitutional Relations/
27. Leadership/
28. ("administrator" or "administrators" or "leaders" or "leadership" or "leader" or "managers" or "manager" or "authority" or "authorities" or "agency" or "agencies" or "executive" or "executives" or "senior level" or "decision maker" or "decision makers" or "decision-making" or epidemiologist or epidemiologists).ab,ti. or Organization & Administration.fs.
29. 22 or 23 or 24 or 25 or 26 or 27 or 28
30. 12 and 21 and 29
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| **Embase** |
| 1. 'civil defense'/exp OR 'biological warfare'/exp OR 'chemical warfare'/exp OR 'atomic warfare'/exp OR 'disaster'/exp OR 'epidemic'/exp
2. 'preparedness':ti,ab OR 'response':ti,ab OR 'planning':ti,ab OR 'readiness':ti,ab OR 'surveillance':ti,ab
3. #1 AND #2
4. (('biothreat' or 'bioterrorism' or 'catastrophe' or 'catastrophes' or 'catastrophic' or 'crisis' or 'crises' or 'disaster' or 'disasters' or 'emergency' or 'emergencies' or 'influenza' or 'hazard' or 'mass casualty' or 'mass casualties' or 'outbreak' or 'outbreaks' or 'epidemic' or 'epidemics' or 'pandemic' or 'pandemics' or 'relief' or 'terrorism') NEAR/2 ('preparedness' or 'response' or 'planning' or 'readiness' or 'surveillance' or 'management' or 'recovery')):ti,ab
5. #3 OR #4
6. 'curriculum'/exp OR 'educational model'/exp OR 'simulation training'/exp OR 'professional competence'/exp OR 'in service training'/exp
7. ("assessment":ti,ab or "assess":ti,ab or "assessed":ti,ab or "assessing":ti,ab or "barrier":ti,ab or "barriers":ti,ab or "best practice":ti,ab or "best practices":ti,ab or "capacity":ti,ab or "competence":ti,ab or "competency":ti,ab or "competencies":ti,ab or "course":ti,ab or "courses":ti,ab or "curricula":ti,ab or "curriculum":ti,ab or "education":ti,ab or "educational":ti,ab or "engagement":ti,ab or "evaluation":ti,ab or "evaluate":ti,ab or "evaluating":ti,ab or "evaluated":ti,ab or "exercise":ti,ab or "exercises":ti,ab or "drill":ti,ab or "drills":ti,ab or "lesson":ti,ab or "lessons":ti,ab or "model":ti,ab or "modeling":ti,ab or "modelling":ti,ab or "simulation":ti,ab or "simulations":ti,ab or "train":ti,ab or "trained":ti,ab or "training":ti,ab or "workshop":ti,ab or "workshops":ti,ab or "refresher":ti,ab or "guideline":ti,ab or "guidelines":ti,ab or "protocol":ti,ab or "protocols":ti,ab or "knowledge":ti,ab or "toolkit":ti,ab or "toolkits":ti,ab or "teach":ti,ab or "teaching":ti,ab or "taught":ti,ab)
8. #6 OR #7
9. ("administrator":ti,ab or "administrators":ti,ab or "leaders":ti,ab or "leadership":ti,ab or "leader":ti,ab or "managers":ti,ab or "manager":ti,ab or "authority":ti,ab or "authorities":ti,ab or "agency":ti,ab or "agencies":ti,ab or "executive":ti,ab or "executives":ti,ab or "senior level":ti,ab or "decision maker":ti,ab or "decision makers":ti,ab or "decision-making":ti,ab or "epidemiologist":ti,ab or "epidemiologists":ti,ab)
10. 'hospital management'/de OR 'organization'/exp OR 'management'/de OR 'health care personnel management'/de OR 'manager'/exp OR 'leadership'/exp
11. #9 OR #10
12. #5 AND #8 AND #11
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| **Web of Science** |
| 1. "Emergency Programs" OR "Civil Defense" OR "Terrorism" OR "incident command" OR "biological warfare" OR "chemical warfare" OR "nuclear warfare" OR "disease outbreak" OR "disease outbreaks" OR (("biothreat" or "bioterrorism" or "catastrophe" or "catastrophes" or "catastrophic" or "crisis" or "crises" or "disaster" or "disasters" or "emergency" or "emergencies" or "hazard" or "influenza" or "mass casualty" or "mass casualties" or "outbreak" or "outbreaks" or "epidemic" or "epidemics" or "pandemic" or "pandemics" or "relief" or "terrorism") NEAR/2 ("preparedness" or "response" or "planning" or "readiness" or "surveillance"))
2. "best practice" or "best practices" or "capacity" or "competence" or "competency" or "competencies" or "course" or "courses" or "curricula" or "curriculum" or "education" or "educational" or "exercise" or "exercises" or "drill" or "drills" or "lesson" or "lessons" or "model" or "modeling" or "modelling" or "simulation" or "simulations" or "train" or "trained" or "training" or "workshop" or "workshops" or "refresher" or "guideline" or "guidelines" or "protocol" or "protocols" or "knowledge" or "toolkit" or "toolkits" or "teach" or "teaching" or "taught"
3. "administrator" or "administrators" or "leaders" or "leadership" or "leader" or "managers" or "manager" or "executive" or "executives" or "senior level" or "decision maker" or "decision makers" or "decision-making" or epidemiologist or epidemiologists
4. #1 AND #2 AND #3
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| **Academic Search Complete** |
| 1. ( DE "civil defense" or DE "civil defense readiness" or DE "civil defense warning systems" or DE "disaster relief" or DE "disasters" or DE "biological warfare" or DE "chemical warfare" or DE "nuclear warfare" or DE "emergency communication systems" or DE "emergency management" OR DE "incident command systems" ) AND ( AB ( ("preparedness" or "response" or "planning" or "readiness" or "surveillance") ) OR TI ( ("preparedness" or "response" or "planning" or "readiness" or "surveillance") ) )
2. TI ( (("biothreat" or "bioterrorism" or "catastrophe" or "catastrophes" or "catastrophic" or "crisis" or "crises" or "disaster" or "disasters" or "emergency" or "emergencies" or "hazard" or "influenza" or "mass casualty" or "mass casualties" or "outbreak" or "outbreaks" or "epidemic" or "epidemics" or "pandemic" or "pandemics" or "relief" or "terrorism") W2 ("preparedness" or "response" or "planning" or "readiness" or "surveillance")) ) OR AB ( (("biothreat" or "bioterrorism" or "catastrophe" or "catastrophes" or "catastrophic" or "crisis" or "crises" or "disaster" or "disasters" or "emergency" or "emergencies" or "hazard" or "influenza" or "mass casualty" or "mass casualties" or "outbreak" or "outbreaks" or "epidemic" or "epidemics" or "pandemic" or "pandemics" or "relief" or "terrorism") W2 ("preparedness" or "response" or "planning" or "readiness" or "surveillance")) )
3. S1 OR S2
4. ( DE "medical education" or DE "curriculum planning" or DE "education" or DE "educational planning" or DE "educational programs" or DE "simulation methods & models" or DE "simulation methods in higher education" or DE "operations research" or DE "professional education" ) OR ( TI ( ("after action" or "assessment" or "assess" or "assessed" or "assessing" or "barrier" or "barriers" or "best practice" or "best practices" or "capacity" or "competence" or "competency" or "competencies" or "course" or "courses" or "curricula" or "curriculum" or "education" or "educational" or "engagement" or "evaluation" or "evaluate" or "evaluating" or "evaluated" or "exercise" or "exercises" or "drill" or "drills" or "lesson" or "lessons" or "model" or "modeling" or "modelling" or "simulation" or "train" or "trained" or "training" or "workshop" or "workshops" or "just in time" or "refresher" ) AND AB ( ("after action" or "assessment" or "assess" or "assessed" or "assessing" or "barrier" or "barriers" or "best practice" or "best practices" or "capacity" or "competence" or "competency" or "competencies" or "course" or "courses" or "curricula" or "curriculum" or "education" or "educational" or "engagement" or "evaluation" or "evaluate" or "evaluating" or "evaluated" or "exercise" or "exercises" or "drill" or "drills" or "lesson" or "lessons" or "model" or "modeling" or "modelling" or "simulation" or "train" or "trained" or "training" or "workshop" or "workshops" or "just in time" or "refresher") )
5. (DE "leadership" or DE "hospital administration" or DE "management") OR TI ("administrator" or "administrators" or "leaders" or "leadership" or "leader" or "managers" or "manager" or "authority" or "authorities" or "agency" or "agencies" or "executive" or "executives" or "senior level" or "decision maker" or "decision makers" or "decision-making" or epidemiologist or epidemiologists ) OR AB ("administrator" or "administrators" or "leaders" or "leadership" or "leader" or "managers" or "manager" or "authority" or "authorities" or "agency" or "agencies" or "executive" or "executives" or "senior level" or "decision maker" or "decision makers" or "decision-making" or epidemiologist or epidemiologists)
6. (S3 AND S4 AND S5)
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| **Education Resources Information Center (ERIC)** |
| 1. ( DE "Workplace Learning" OR DE "Personnel Directors" OR DE "Supervisors" OR DE "Administration" OR DE "Administrator Role" OR DE "Physicians" OR DE "Leadership" OR DE "Leaders" OR DE "Leadership Responsibility" OR DE "Leadership Training" OR DE "Middle Management" ) OR TI ( "leaders" OR "leadership" OR "executives" ) OR AB ( "leaders" OR "leadership" OR "executives" )
2. ( ( DE "Decision-making" OR DE "Participative Decision-making" OR DE "Decision-making Skills" ) ) OR TI ( "decision-making" OR "decision-making" ) OR AB ( "decision-making" OR "decision-making" )
3. ( DE "School Personnel" OR DE "Admissions Officers" OR DE "Assistant Principals" OR DE "Faculty" OR DE "Foreign Student Advisers" OR DE "Paraprofessional School Personnel" OR DE "Principals" OR DE "Pupil Personnel Workers" OR DE "Registrars School" OR DE "School Business Officials" OR DE "School Cadres" OR DE "School Counselors" OR DE "School Nurses" OR DE "School Psychologists" OR DE "School Social Workers" OR DE "Student Financial Aid Officers" OR DE "Student Personnel Workers" OR DE "Superintendents" OR DE "School Administration" OR DE "College Administration" OR DE "School Based Management" OR DE "Educational Administration" OR DE "School Administration" OR DE "Educational Administration" OR DE "Administrators" OR DE "Admissions Officers" OR DE "Assistant Principals" OR DE "Beginning Principals" OR DE "Central Office Administrators" OR DE "Coordinators" OR DE "Deans" OR DE "Department Heads" OR DE "Ombudsmen" OR DE "Personnel Directors" OR DE "Presidents" OR DE "Principals" OR DE "Registrars School" OR DE "Research Directors" OR DE "School Business Officials" OR DE "Student Financial Aid Officers" OR DE "Superintendents" OR DE "Supervisors" OR DE "Trustees" OR DE "Vocational Directors" OR DE "Women Administrators" AND DE "Schools" OR DE "Bilingual Schools" OR DE "Boarding Schools" OR DE "Colleges" OR DE "Community Schools" OR DE "Consolidated Schools" OR DE "Correspondence Schools" OR DE "Day Schools" OR DE "Disadvantaged Schools" OR DE "Elementary Schools" OR DE "Experimental Schools" OR DE "Folk Schools" OR DE "Free Schools" OR DE "International Schools" OR DE "Laboratory Schools" OR DE "Magnet Schools" OR DE "Middle Schools" OR DE "Military Schools" OR DE "Montessori Schools" OR DE "Multiunit Schools" OR DE "Neighborhood Schools" OR DE "Nursery Schools" OR DE "Open Plan Schools" OR DE "Private Schools" OR DE "Professional Development Schools" OR DE "Public Schools" OR DE "Racially Balanced Schools" OR DE "Regional Schools" OR DE "Rural Schools" OR DE "Schools of Education" OR DE "Secondary Schools" OR DE "Single Sex Schools" OR DE "Slum Schools" OR DE "Small Schools" OR DE "Special Schools" OR DE "State Schools" OR DE "Suburban Schools" OR DE "Summer Schools" OR DE "Traditional Schools" OR DE "Urban Schools" OR DE "Vocational Schools" OR DE "Year Round Schools" OR DE "Public Schools" ) OR ( "principals" OR "superintendents" OR "school personnel" ) OR ( "principals" OR "superintendents" OR "school personnel" )
4. S1 AND S2
5. ( S1 AND S2 ) NOT S3
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