|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Author, Year** | HIC | LMIC | Type of study | Reported Interventions | Main Outcome | Communication | Safety & Security | Human Resources | Planning, Policy & Procedures | Command, Control, Coordination | Care Delivery | Health Finance |
| 1 | Abbasi 20121 | x |  | Network analysis, qualitative | N/A | N/A |  |  |  |  | x |  |  |
| 2 | Ablah 20052 | x |  | Cohort study | Training workshop | Competency scores |  |  | x |  |  |  |  |
| 3 | Ablah 20093 | x |  | Literature review | N/A | N/A |  |  | x |  |  |  |  |
| 4 | Abraham 20144 | x |  | Review article | N/A | N/A |  |  | x | x |  | x |  |
| 5 | Adams 20205 | x |  | Cross sectional survey | N/A | Willingness to respond |  |  | x |  |  |  |  |
| 6 | Adelaine 20166 | x |  | Descriptive study | N/A | N/A | x |  |  |  |  |  | x |
| 7 | Adini 20157 | x |  | Quasi-experimental | Load Index Model | Casualty distribution decisions |  |  |  |  | x |  |  |
| 8 | Adini 20178 | x |  | Consensus/ Delphi Study | N/A | N/A | x |  | x |  | x | x |  |
| 9 | Adini 20149 | x |  | Case Study | N/A | N/A |  |  |  |  |  | x |  |
| 10 | Akbari 201810 |  | x | Qualitative study | N/A | N/A |  |  | x |  |  |  |  |
| 11 | Albanese 201411 | x |  | Resource Document | N/A | N/A |  | x |  | x |  |  |  |
| 12 | Albores 200512 | x |  | Quasi-experimental | Comput-erized discrete event simulation | Resource and time for mass decon |  |  |  |  |  | x |  |
| 13 | Albores 200813 | x |  | Quasi-experimental | computerized discrete event simulation | Resource and time for mass decon |  |  |  |  |  | x |  |
| 14 | Alexander 201514 |  | x | Case Study | N/A | N/A |  |  |  | x | x |  |  |
| 15 | Aliyu 201515 |  | x | Literature review | N/A | N/A | x |  | x |  |  |  |  |
| 16 | Allen 200716 | x |  | Review article | N/A | N/A |  |  |  | x |  | x |  |
| 17 | Almogy 200617 | x |  | Case study | N/A | N/A | x |  | x | x |  | x |  |
| 18 | Al Shamsi 201918 | x |  | Cross-sectional descriptive study | N/A | N/A |  |  |  | x |  | x | x |
| 19 | Andrulis 200719 | x |  | Literature review | N/A | N/A | x |  | x |  |  |  |  |
| 20 | Ashkenazi 200820 | x |  | Retrospective descriptive study | N/A | N/A |  |  |  |  |  | x |  |
| 21 | Ashkenazi 200921 | x |  | Cross sectional survey | N/A | Ability to make triage decisions |  |  |  |  |  | x |  |
| 22 | Assa 200922 | x |  | Case study | N/A | N/A |  |  |  |  |  | x |  |
| 23 | Aten 201123 | x |  | Review article | N/A | N/A | x |  |  |  |  |  |  |
| 24 | Autrey 201424 | x |  | Case study | N/A | N/A |  | x |  |  |  |  |  |
| 25 | Avidian 200725 | x |  | Descriptive Study | N/A | N/A |  | x |  |  | x | x |  |
| 26 | Avitzour 200426 | x |  | Descriptive Study | N/A | N/A |  |  |  |  | x |  |  |
| 27 | Bacis 201027 | x |  | Commentary | N/A | N/A |  |  |  |  | x |  |  |
| 28 | Baker 200728 | x |  | Review article | N/A | N/A |  |  | x | x | x | x |  |
| 29 | Balasegaram 201129 | x |  | Descriptive Study | Web resource on pandemic | User satisfaction | x |  |  |  |  |  |  |
| 30 | Baldwin 200830 | x |  | Commentary | N/A | N/A |  |  | x |  |  |  |  |
| 31 | Bayram 201131 | x |  | Mathematical modeling | N/A | Hospital Surge Capacity |  |  |  |  |  | x |  |
| 32 | Berger 201632 | x |  | Review article | N/A | N/A |  |  |  |  | x | x |  |
| 33 | Bernardo 200433 | x |  | Commentary | N/A | N/A |  |  |  |  |  | x |  |
| 34 | Biddinger 201334 | x |  | Commentary | N/A | N/A |  |  | x | x |  | x | x |
| 35 | Biddinger 200835 | x |  | Qualitative Study | N/A | System level changes | x |  |  |  | x | x |  |
| 36 | Biddinger 201836 | x |  | Cross sectional survey | N/A | N/A | x |  |  | x | x | x | x |
| 37 | Bloch 200737 | x |  | Case study | N/A | N/A |  |  |  |  |  | x |  |
| 38 | Bloch 200738 | x |  | Case study | N/A | N/A | x |  | x | x |  | x |  |
| 39 | Bolduc 201839 | x |  | Observational crossover study | Electronic vs. paper triage | Triage accuracy |  |  |  |  |  | x |  |
| 40 | Bond 200840 | x |  | Experimental Study | Symptom based algorithms | Individual provider Decision making |  |  |  |  |  | x |  |
| 41 | Bookman 201341 | x |  | Commentary | N/A | N/A |  |  |  |  |  | x |  |
| 42 | Born 200742 | x |  | Review article | N/A | N/A |  |  |  |  | x | x |  |
| 43 | Born 200743 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 44 | Bradt 200344 | x |  | Case study | N/A | N/A | x |  |  |  | x | x |  |
| 45 | Branas 200045 | x |  | Descriptive study | N/A | N/A |  |  |  |  | x |  |  |
| 46 | Brandenburg 200746 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 47 | Brands 201347 | x |  | Report | N/A | N/A | x | x |  |  |  |  |  |
| 48 | Broeze 201048 | x |  | Literature review | N/A | N/A |  | x |  |  |  | x |  |
| 49 | Brown 200449 | x |  | Resource document | N/A | N/A |  |  |  |  |  | x |  |
| 50 | Brunner 201450 | x |  | Observational study | N/A | N/A |  |  |  |  |  | x |  |
| 51 | Bukowski 201751 | x |  | Commentary | N/A | N/A |  | x |  |  | x |  |  |
| 52 | Bulson 201052 | x |  | Report | N/A | N/A |  |  |  |  |  | x |  |
| 53 | Burgess 200153 | x |  | Correlational study | N/A | Transport to a Health Care Facility |  |  |  |  |  | x |  |
| 54 | Burke 201054 | x |  | Review article | N/A | N/A |  |  |  | x | x | x |  |
| 55 | Callaway 201255 |  | x | Quasi-Experimental Study | iChart mhealth System | Patient Tracking | x |  |  |  |  |  |  |
| 56 | Caramello 201956 | x |  | Qualitative study | N/A | N/A |  |  |  |  |  | x |  |
| 57 | Carley 200257 | x |  | Resource document/ report | N/A | N/A |  |  |  |  |  | x |  |
| 58 | Castle 200658 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 59 | Catlett 201159 | x |  | Resource document | N/A | N/A |  |  |  |  | x | x |  |
| 60 | Challen 201360 | x |  | Retrospective cohort study | N/A | Relative efficacy of Triage methods |  |  |  |  |  | x |  |
| 61 | Cha 201661 | x |  | Case study | N/A | N/A | x | x |  |  | x | x |  |
| 62 | Chang 201462 | x |  | Descriptive study | N/A | N/A |  |  |  |  | x |  |  |
| 63 | Chilcott 201463 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 64 | Chilcott 201964 | x |  | Experimental / comparative study | N/A | Relative efficacy of decon methods |  |  |  |  |  | x |  |
| 65 | Chim 200765 |  | x | Descriptive study | N/A | N/A |  |  | x |  |  | x |  |
| 66 | Ching 201966 |  | x | Cross sectional survey | N/A | N/A |  |  | x |  |  | x |  |
| 67 | Christian 201467 | x |  | Resource document | N/A | N/A |  |  |  |  | x | x |  |
| 68 | Claudius 201568 | x |  | Observational | N/A | Triage accuracy |  |  |  |  |  | x |  |
| 69 | Claudius 201569 | x |  | Experimental / comparative study | Computerized vs. live simulation | Triage accuracy |  |  |  |  |  | x |  |
| 70 | Cocco 201970 | x |  | Case study | N/A | N/A |  |  |  | x | x | x |  |
| 71 | Collignon 200871 | x |  | Commentary | N/A | N/A |  |  |  |  |  | x |  |
| 72 | Comfort 200472 | x |  | Experimental study | prototype interactive, intelligent, spatial information system (IISIS) | Efficiency of response and disaster mitigation |  |  |  |  | x |  |  |
| 73 | Cone 200073 | x |  | Descriptive study | N/A | N/A |  |  |  |  | x |  |  |
| 74 | Cone 200974 | x |  | Observational study | N/A | Triage accuracy |  |  |  |  |  | x |  |
| 75 | Cone 201175 | x |  | Comparative / block-sequential study | virtual reality disaster simulation system | Triage accuracy |  |  |  |  |  | x |  |
| 76 | Conlon 201176 | x |  | Case study | N/A | N/A |  |  |  |  |  | x |  |
| 77 | Corcoran 201277 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 78 | Cordner 201778 | x |  | Commentary | N/A | N/A |  |  |  |  |  | x |  |
| 79 | Crawford 200479 | x |  | Consensus / Delphi | N/A | N/A | x |  |  |  |  | x |  |
| 80 | Cryer 201080 | x |  | Case study | N/A | N/A |  |  |  |  |  | x |  |
| 81 | Dann 200781 | x |  | Descriptive study | N/A | N/A |  |  |  |  |  | x |  |
| 82 | Daughtery Biddison 201482 | x |  | Resource document | N/A | N/A |  |  |  | x |  |  |  |
| 83 | Davis 200583 | x |  | prospective, cross-sectional | N/A | Dischargeability at 24 hours |  |  |  |  |  | x |  |
| 84 | Deelen 201884 | x |  | Review article | N/A | N/A |  |  |  |  | x |  |  |
| 85 | Devereaux 200885 | x |  | Resource document/ report | N/A | N/A |  |  | x |  |  | x |  |
| 86 | Einav 200986 | x |  | Correlational study | Case managers | LOS, mortality |  |  |  |  |  | x |  |
| 87 | El-Sayed 201887 | x |  | Case study | N/A | N/A | x | x |  | x | x | x |  |
| 88 | Esbitt 200388 | x |  | Resource document | N/A | N/A |  |  |  |  |  | x |  |
| 89 | Faccincani 201889 | x |  | Experimental/ comparative study | Two different mathematical models | Hospital capacity in MCIs |  |  | x |  |  | x |  |
| 90 | Farmer 201990 | x |  | Report | N/A | N/A |  |  |  |  |  | x |  |
| 91 | Farmer 200691 | x |  | Commentary | N/A | N/A |  |  | x |  |  |  |  |
| 92 | Feizolahzadeh 201992 |  | x | Correlational study | Early discharge | 48-hour rehospitalization |  |  |  |  |  | x |  |
| 93 | Field 201293 | x |  | Prospective randomized cross over trial | Visually different triage tags | Time and accuracy of sieve and sort |  |  |  |  |  | x |  |
| 94 | Filmer 201394 |  | x | Observational study | N/A | Relative Performance of disaster response leaders |  |  |  |  | x |  |  |
| 95 | Fisher Lui 200995 | x |  | Descriptive study | N/A | Content analysis of FEMA media releases | x |  |  |  |  |  |  |
| 96 | Fletcher 201696 | x |  | quasi-experimental study | N/A | participant knowledge of reporting structure |  |  |  |  | x |  |  |
| 97 | Friedman 201197 | x |  | quasi-experimental study | Experiential disaster communication curriculum | Knowledge about disaster communication | x |  |  |  |  |  |  |
| 98 | Gabbe 202098 | x |  | Cross sectional survey | N/A | N/A | x | x | x | x | x | x |  |
| 99 | Ganz 201699 | x |  | Experimental study | DIORAMA – a device that enables the responders to visualize the incident site | DIORAMA-based vs. conventional triage accuracy |  |  |  |  | x | x |  |
| 100 | Garner 2003100 | x |  | Commentary | N/A | N/A |  |  |  |  |  | x |  |
| 101 | Gebbie 2009101 | x |  | Resource document | N/A | N/A |  |  |  | x |  |  |  |
| 102 | Gebhart 2007102 | x |  | Correlational study | N/A | Triage category vs. mortality |  |  |  |  |  | x |  |
| 103 | Ghanchi 2016103 | x |  | Case study | N/A | N/A | x |  |  |  | x |  |  |
| 104 | Giacobe 2014104 | x |  | Commentary | N/A | N/A | x |  |  |  |  |  |  |
| 105 | Golabek-Goldman 2016105 | x |  | Qualitative study | N/A | N/A |  | x |  |  |  |  |  |
| 106 | Gomez 2011106 | x |  | Cross sectional survey | N/A | N/A | x |  |  |  | x |  |  |
| 107 | Gotham 2007107 | x |  | Descriptive study | N/A | N/A | x |  |  |  |  |  |  |
| 108 | Grabo 2018108 | x |  | Descriptive study | N/A | N/A |  |  | x |  |  |  |  |
| 109 | Gryth 2010109 | x |  | Observational study | N/A | N/A |  |  |  |  | x |  |  |
| 110 | Halpern 2003110 | x |  | Review article | N/A | N/A |  |  |  |  | x | x |  |
| 111 | Hardy 2018111 | x |  | Descriptive study | N/A | N/A | x |  |  |  |  |  |  |
| 112 | Hart 2018112 | x |  | Cluster randomized study | Algorithmic triage | Triage outcomes |  |  |  |  |  | x |  |
| 113 | Hashimoto 2013113 | x |  | Comparative study | N/A | Triage outcomes |  |  |  |  |  | x |  |
| 114 | Haverkort 2017114 | x |  | Descriptive study | N/A | N/A |  |  |  |  |  | x |  |
| 115 | Heller 2019115 | x |  | Correlational study | N/A | Triage outcomes |  |  |  |  |  | x |  |
| 116 | Hendrickx 2016116 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 117 | Heslop; Currie 2018117 | x |  | Qualitative study | N/A | N/A | x |  |  |  | x |  |  |
| 118 | Hick 2012118 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 119 | Hick 2008119 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 120 | Higgins 2004120 | x |  | Cross sectional survey | N/A | N/A | x |  | x | x | x | x |  |
| 121 | Hirshberg 2010121 | x |  | Experimental study | Computerized modeling | Triage outcomes |  |  |  |  |  | x |  |
| 122 | Hirshberg 2001122 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 123 | Hoffner 2009123 | x |  | Descriptive study | N/A | N/A |  |  |  |  | x |  |  |
| 124 | Hogan 2014124 | x |  | Comparative study | N/A | Clinical vs MCI triage outcome |  |  |  |  |  | x |  |
| 125 | Holgersson 2016125 | x |  | Review article | N/A | N/A | x | x |  |  | x | x |  |
| 126 | Homier 2018126 | x |  | Randomized trial | Communication tools | Individual response time |  |  | x |  |  |  |  |
| 127 | Hood 2011127 | x |  | Experimental study | Decon training | Decon effectiveness |  |  |  |  |  | x |  |
| 128 | Hsu 2004128 | x |  | Literature Review | N/A | Effectiveness of disaster response training | x | x | x |  |  | x |  |
| 129 | Hsu 2006129 | x |  | Report | N/A | N/A |  |  | x |  |  |  |  |
| 130 | Jacobs Jr 2014130 | x |  | Resource document/ report | N/A | N/A |  | x | x |  |  | x |  |
| 131 | Jacobs 2014131 | x |  | Report | N/A | N/A |  | x | x |  |  | x |  |
| 132 | Jacobs-Wingo 2018132 | x |  | Observational study | N/A | Bed capacity/ surge |  |  |  |  |  | x |  |
| 133 | Janati 2018133 | x |  | Cross sectional study | N/A | N/A |  |  |  | x |  |  |  |
| 134 | Jenckes 2007134 | x |  | Tool development | N/A | N/A | x | x | x | x | x | x |  |
| 135 | Jenkins 2008135 | x |  | Case study | N/A | N/A |  |  |  |  |  | x |  |
| 136 | Joho 2014136 | x |  | Resource document/ report | N/A | N/A |  |  |  |  |  | x |  |
| 137 | Jones 2014137 | x |  | Randomized Trial | Triage algorithms | Triage accuracy |  |  |  |  |  | x |  |
| 138 | Juffermans 2010138 | x |  | Qualitative review | N/A | N/A | x |  |  |  | x | x |  |
| 139 | Kanter 2007139 | x |  | Mathematical modeling | Changing standard of care | Projected mortality |  |  |  |  |  | x |  |
| 140 | Kearns 2017140 | x |  | Review article | N/A | N/A |  |  |  |  | x |  |  |
| 141 | Kearns 2014141 | x |  | Report | N/A | N/A | x |  | x |  |  | x |  |
| 142 | Kleber 2013142 | x |  | Prospective observational study | N/A | Triage accuracy |  |  |  |  |  | x |  |
| 143 | Knotts 2006143 | x |  | Quasi experimental | Triage tags and glowsticks | Relocating and transport time |  |  |  |  |  | x |  |
| 144 | Leahy 2012144 | x |  | Resource document/ report | N/A | N/A |  |  |  |  |  | x |  |
| 145 | Lerner 2007145 | x |  | Case studies | N/A | N/A |  | x |  |  | x | x |  |
| 146 | Liebergall 2007146 | x |  | Commentary | N/A | N/A | x | x |  |  |  | x |  |
| 147 | Little 2012147 | x |  | Comparative case study | N/A | N/A |  |  |  |  | x | x |  |
| 148 | Lowe 2009148 | x |  | Review article | N/A | N/A |  |  |  |  | x | x |  |
| 149 | Lynn 2006149 | x |  | Resource document | N/A | N/A |  |  |  | x |  |  |  |
| 150 | Madzimbamuto 2003150 |  | x | Case study | N/A | N/A |  | x |  |  |  | x |  |
| 151 | Moser 2006151 | x |  | Resource document/ report | N/A | N/A | x |  | x |  | x | x |  |
| 152 | Nekoie-Moghadam 2016152 | x |  | Literature review | N/A | Hospital preparedness evaluation | x | x | x | x | x | x |  |
| 153 | O'Neill 2005153 | x |  | Review article | N/A | N/A |  |  |  |  | x |  |  |
| 154 | Rebmann 2017154 | x |  | Literature review | N/A | N/A |  |  |  | x |  | x |  |
| 155 | Rimstad 2015155 | x |  | Literature review | N/A | N/A |  |  |  |  | x |  |  |
| 156 | Roccaforte 2007156 | x |  | Review article | N/A | N/A |  |  |  |  |  | x |  |
| 157 | Rubinson 2008157 | x |  | Resource document/ report | N/A | N/A |  |  |  |  |  | x |  |
| 158 | Savoia 2010158 | x |  | Prospective observational study |  | Performance of evaluation instruments | x |  | x | x | x | x |  |
| 159 | Seaton 2019159 | x |  | Descriptive study | N/A | N/A |  | x |  |  |  |  |  |
| 160 | Seifman 2011160 | x |  | Case study | N/A | N/A |  |  | x | x |  | x | x |
| 161 | Shah 2015161 |  | x | Descriptive study | N/A | N/A |  |  |  |  | x | x |  |
| 162 | Shahrestanaki 2019162 |  | x | Literature review | N/A | N/A |  |  |  |  | x | x |  |
| 163 | Shartar 2017163 | x |  | Report | N/A | N/A |  |  |  | x |  |  | x |
| 164 | Shooshtari 2017164 | x |  | Literature review | N/A | N/A |  |  |  |  | x |  |  |
| 165 | Silvestri 2017165 | x |  | Prospective observational study | N/A | Correlation of START and SALT triage |  |  |  |  |  | x |  |
| 166 | Smith 2011166 | x |  | Report | N/A | N/A |  |  |  |  |  | x |  |
| 167 | Soffer 2008167 | x |  | Descriptive study | N/A | N/A |  |  |  |  |  | x |  |
| 168 | Stander 2011168 |  | x | Cross sectional survey | N/A | N/A | x |  |  |  | x | x |  |
| 169 | Tami 2013169 | x |  | Descriptive study/ tool development | N/A | N/A |  |  |  | x |  |  |  |
| 170 | Thomas 2005170 | x |  | Prospective observational study | N/A | Scores for ICS functions |  |  |  |  | x |  |  |
| 171 | Veenema 2007171 | x |  | Commentary | N/A | N/A |  |  | x | x |  | x |  |
| 172 | Wachira 2014172 |  | x | Case study | N/A | N/A |  |  |  |  | x | x |  |
| 173 | Weyand 2014173 | x |  | Cross sectional survey | N/A | N/A |  | x |  |  |  |  |  |
| 174 | Wild 2012174 | x |  | Case study | N/A | N/A | x |  |  |  |  | x |  |
| 175 | WHO 2014175 | x |  | Literature review | N/A | N/A |  |  |  | x | x |  |  |
| 176 | Wurmb 2018176 | x |  | Descriptive study | N/A | N/A | x |  |  |  | x | x |  |
| 177 | Xu 2015177 |  | x | Literature review | N/A | N/A |  |  |  |  | x |  |  |
| 178 | Zafar 2011178 |  | x | Descriptive study | N/A | N/A | x | x |  |  | x | x |  |
| 179 | Zane 2004179 | x |  | Report | N/A | N/A |  |  |  |  | x |  |  |
| 180 | Zhong 2015180 |  | x | Consensus/ Delphi study | N/A | N/A |  |  | x | x |  | x | x |
| 181 | Zoraster 2007181 | x |  | Case study | N/A | N/A |  |  |  |  |  | x |  |

N/A: Not applicable; HIC: High income countries; LMIC: Low- and middle-income countries; Decon: Decontamination; WHO: World Health Organization

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