Supplementary Table 1: Search queries

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| Database: Medline (via PubMed) / Language : EN, FR |
| Literature review 1 – May 2019 | Query 1 | ((change\*[ti] OR impact[ti] OR modification\*[ti]) AND (organization\*[ti] OR organisation\*[ti]) OR "Organizational Innovation"[Mesh]) AND (("2009/01/01"[PDAT]: "2019/05/10"[PDAT] AND (English[lang] OR French[lang]))) |
| Query 2  | (((("diffusion of innovation"[mesh]) OR (((((((("Equipment and Supplies"[Majr] OR device[ti]) and ("Telecommunications"[Majr] OR connected[ti] OR mhealth[ti] OR mobile[ti]))) OR ('Artificial Intelligence'[MAJR]OR "deep learning"[Ti] OR "Mobile Applications"[MAJR] OR "Wearable Electronic Devices"[MAJR] OR wearable[ti] OR "Telecommunications"[MAJR] OR app[ti] OR apps[ti] OR "digital health"[ti] OR mhealth[ti] OR "mobile health"[ti] OR "mobile-health"[Ti] OR "Medical Informatics" Applications"[Majr] ))))) OR ("Equipment and Supplies/organization and administration"[Majr]))) AND (("Organizational Innovation"[MAJR]) OR (("organizational change\*"[ti] OR "organizational issue\*"[ti] OR "organizational impact\*"[ti] OR "non clinical impact"[ti] OR "organizational evolution\*"[ti] OR "organizational adaptation"[ti])))AND (("2009/05/28"[PDAT]: "2019/05/28"[PDAT] AND (English[lang] OR French[lang]))) |
| Literature review 2 – October 2019 | Query 3 | ("Professional Practice"[Mesh] AND "Equipment and Supplies, Hospital"[Mesh])AND((("2015/01/01"[Date - MeSH]: "2019/10/16"[Date - MeSH]) OR ("2015/01/01"[Date - Enter]: "2019/10/16"[Date - Enter]) OR ("2015/01/01"[Date - Publication]: "2019/10/16"[Date - Publication])) AND (English[lang] OR French[lang])) |
| Query 4  | (("Patient Care"[Mesh] AND "Equipment and Supplies, Hospital"[Mesh]) AND "Organization and Administration"[Mesh] AND ("Organization and Administration/analysis"[Mesh] OR "Organization and Administration/economics"[Mesh] OR "Organization and Administration/legislation and jurisprudence"[Mesh] OR "Organization and Administration/methods"[Mesh] OR "Organization and Administration/organization and administration"[Mesh] OR "Organization and Administration/statistics and numerical data"[Mesh] OR "Organization and Administration/trends"[Mesh]))AND((("2015/01/01"[Date - MeSH]: "2019/10/16"[Date - MeSH]) OR ("2015/01/01"[Date - Enter]: "2019/10/16"[Date - Enter]) OR ("2015/01/01"[Date - Publication]: "2019/10/16"[Date - Publication])) AND (English[lang] OR French[lang])) |
| Query 5  | ("Organizational Innovation"[Mesh] AND "Equipment and Supplies"[Mesh])AND((("2015/01/01"[Date - MeSH]: "2019/10/16"[Date - MeSH]) OR ("2015/01/01"[Date - Enter]: "2019/10/16"[Date - Enter]) OR ("2015/01/01"[Date - Publication]: "2019/10/16"[Date - Publication])) AND (English[lang] OR French[lang])) |
| Query 6 | ((("Delivery of Health Care"[Mesh] OR ("delivery"[All Fields] AND "health"[All Fields] AND "care"[All Fields]) OR "delivery of health care"[All Fields] OR "healthcare"[All Fields]) AND "improvement"[All Fields] AND ("innovation (North Syd)"[journal] OR "innovation"[All Fields] OR "innovation (Abingdon)"[journal])) AND "Equipment and Supplies"[Mesh])AND((("2015/01/01"[Date - MeSH]: "2019/10/16"[Date - MeSH]) OR ("2015/01/01"[Date - Enter]: "2019/10/16"[Date - Enter]) OR ("2015/01/01"[Date - Publication]: "2019/10/16"[Date - Publication])) AND (English[lang] OR French[lang])) |
| Query 7 | ((("Hospital Administration"[Mesh]) AND ("Technology, Industry, and Agriculture/economics"[Mesh] OR "Technology, Industry, and Agriculture/organization and administration"[Mesh])) AND "Equipment and Supplies"[Mesh])AND((("2015/01/01"[Date - MeSH]: "2019/10/16"[Date - MeSH]) OR ("2015/01/01"[Date - Enter]: "2019/10/16"[Date - Enter]) OR ("2015/01/01"[Date - Publication]: "2019/10/16"[Date - Publication])) AND (English[lang] OR French[lang])) |
| Query 8 | ("Outcome and Process Assessment (Health Care)"[Mesh] AND "Equipment and Supplies, Hospital"[Mesh])AND((("2015/01/01"[Date - MeSH]: "2019/10/16"[Date - MeSH]) OR ("2015/01/01"[Date - Enter]: "2019/10/16"[Date - Enter]) OR ("2015/01/01"[Date - Publication]: "2019/10/16"[Date - Publication])) AND (English[lang] OR French[lang])) |
| Literature review 3 - November 2019 | Query 9 | ((((Health technology[tiab] OR health equipment\*[tiab] OR medical technologies[tiab] OR medical device\*[tiab] OR Equipment and Supplies[Majr] OR device\*[tiab] OR new medical device\*[tiab] OR innovative medical device\*[tiab] OR innovative medical technology[tiab] OR innovative medical technologies[tiab] OR new Health technology[tiab] OR new Health equipment\*[tiab]) AND ("Models, Organizational"[Mesh] OR "Decision Making, Organizational"[Mesh] OR "Organizational Objectives"[Mesh] OR "Health Facility Administration"[Mesh] OR Organizational Culture[Mesh] OR "Organization and Administration"[Mesh:NoExp] OR organization\*[tiab] OR organisation\*[tiab] OR Health care organization[tiab] OR health organization[tiab] OR health care system[tiab] OR healthcare delivery[tiab] OR healthcare services[tiab] OR "Health Facilities"[Mesh] OR Organizational Impact[tiab] OR organisational impact[tiab]) AND ("Diffusion of Innovation"[Majr:NoExp] OR Implementation[tiab] OR introduction[ti] OR Diffusion[ti] OR adoption[ti] OR new medical device\*[tiab] OR innovative medical device\*[tiab] OR innovation[tiab] OR inovate[tiab] OR innovation[tiab])) AND (((Analysis[ti] OR framework[ti] OR evaluation[ti] OR assessment[ti] OR measure[ti] OR "Technology Assessment, Biomedical"[Mesh] OR measurement[ti]) AND (change\*[tiab] OR impact[tiab] OR modification\*[tiab] OR effect\*[tiab] OR outcome\*[tiab] OR consequence\*[tiab] OR side-effect\*[tiab] OR repercussion[tiab] OR influence[tiab] OR Organizational Impact[tiab] OR Organisational Impact[tiab] OR Organizational effects\*[tiab] OR Organisational effects[tiab] OR Organizational change\*[tiab] OR Organisational change\*[tiab])) OR ((Analysis[tiab] OR framework[tiab] OR evaluation[tiab] OR assessment[tiab] OR measure[tiab] OR "Technology Assessment, Biomedical"[Mesh] OR measurement[tiab]) AND (change\*[ti] OR impact[ti] OR modification\*[ti] OR effect\*[ti] OR outcome\*[ti] OR consequence\*[ti] OR side-effect\*[ti] OR repercussion[ti] OR influence[ti] OR Organizational Impact[tiab] OR Organisational Impact[tiab] OR Organizational effects\*[tiab] OR Organisational effects[tiab] OR Organizational change\*[tiab] OR Organisational change\*[tiab]))))AND (("2009/01/01"[PDAT]: "2019/11/13"[PDAT] AND (English[lang] OR French[lang])))  |

Legend: This table presents the consecutive queries that were performed in the Medline database to identify the documents for the rapid realist review.