

Data bases
MEDLINE (via PubMed)
EMBASE
Web of Science
CINAHL (Cumulative Index to Nursing and Allied Health Literature)
Incidence
Acute leukemia
Chemotherapy
Neutropenic
Sepsis

Search query with Boolean operates

("epidemiology"[Title/Abstract] OR "prevalence"[Title/Abstract] OR "frequency"[Title/Abstract] OR "incidence"[Title/Abstract] OR "Epidemiology"[MeSH Terms] OR "Prevalence"[MeSH Terms] OR "Incidence"[MeSH Terms]) AND ("leukaemias"[Title/Abstract] OR "leukaemia"[Title/Abstract] OR "leukemias"[Title/Abstract] OR "leukemia"[Title/Abstract] OR "acute"[Title/Abstract] OR "acute leukaemias"[Title/Abstract] OR "Acute Myeloid Leukaemia"[Title/Abstract] OR "Acute Lymphoblastic Leukaemia"[Title/Abstract] OR "AML"[Title/Abstract] OR "ALL"[Title/Abstract]) AND ("combination therapy"[Title/Abstract] OR "chemotherapy"[Title/Abstract] OR "induction chemotherapy"[Title/Abstract] OR "adjuvant therapy"[Title/Abstract] OR "drug therapy"[Title/Abstract] OR "chemotherapy induced febrile neutropenia"[MeSH]) AND ("Neutropenic sepsis"[Title/Abstract] OR "Febrile neutropenia"[Title/Abstract] OR "Neutropenia"[Title/Abstract] OR "neutropenic"[Title/Abstract] OR "infection"[Title/Abstract] OR "sepsis"[Title/Abstract] OR "bacteremia"[MeSH Terms])

Article types selected in PubMed

Observational Study, Comparative study, Dataset, Evaluation study, Meta-analysis, Multicenter study, Observational study and Systematic review

MEDLINE (via PubMed) N = 239

(((((("epidemiology"[Title/Abstract])) OR ("prevalence"[Title/Abstract])) OR ("frequency"[Title/Abstract])) OR ("incidence"[Title/Abstract])) OR ("Epidemiology"[MeSH Terms])) OR ("Prevalence"[MeSH Terms])) OR ("Incidence"[MeSH Terms]))
((((((((("leukaemias"[Title/Abstract]) OR ("leukaemia"[Title/Abstract])) OR ("leukemias"[Title/Abstract])) OR ("leukemia"[Title/Abstract])) OR ("Leukemia"[Title/Abstract])) OR ("acute"[Title/Abstract])) OR ("acute leukaemias"[Title/Abstract])) OR ("Acute Myeloid Leukaemia"[Title/Abstract])) OR ("Acute Lymphoblastic Leukaemia"[Title/Abstract])) OR ("AML"[Title/Abstract])) OR ("ALL"[Title/Abstract]))
((((((((((((((((("combination therapy"[Title/Abstract]) OR ("chemotherapy induced peripheral neuropathy"[Title/Abstract])) OR ("chemoradiation therapy"[Title/Abstract])) OR ("adjuvant treatment"[Title/Abstract])) OR ("adjuvant chemotherapy"[Title/Abstract])) OR ("chemotherapy"[Title/Abstract])) OR ("trastuzumab"[Title/Abstract])) OR ("doxorubicin"[Title/Abstract])) OR ("anthracyclines"[Title/Abstract])) OR ("epirubicin"[Title/Abstract])) OR ("hypomethylating agents"[Title/Abstract])) OR ("immunotherapy"[Title/Abstract])) OR ("induction chemotherapy"[Title/Abstract])) OR ("adjuvant therapy"[Title/Abstract])) OR ("chemoresistance"[Title/Abstract])) OR ("Photodynamic therapy"[Title/Abstract])) OR ("drug therapy"[Title/Abstract])) OR ("Combined Modality Therapy"[Title/Abstract])) OR ("Complete remission"[Title/Abstract])) OR ("chemotherapy induced febrile neutropenia"[MeSH]))
(((("Neutropenic sepsis"[Title/Abstract]) OR ("Febrile neutropenia"[Title/Abstract])) OR ("Neutropenia"[Title/Abstract])) OR ("neutropenic"[Title/Abstract])) OR ("chemotherapy induced febrile neutropenia"[Title/Abstract]))
((((((((((((((((("infection"[Title/Abstract]) OR ("healthcare-associated infection"[Title/Abstract])) OR ("health care-acquired infection"[Title/Abstract])) OR ("nosocomial infection"[Title/Abstract])) OR ("Blood stream infection"[Title/Abstract])) OR ("Catheter-related bloodstream infection"[Title/Abstract])) OR ("central line-associated bloodstream infection"[Title/Abstract])) OR ("device infection"[Title/Abstract])) OR ("focal sepsis"[Title/Abstract])) OR ("intraabdominal sepsis"[Title/Abstract])) OR ("sepsis syndrome"[Title/Abstract])) OR ("septic disease"[Title/Abstract])) OR ("septic shock"[Title/Abstract])) OR ("bacteremia"[Title/Abstract])) OR ("endotoxic shock"[Title/Abstract])) OR ("bacterial shock"[Title/Abstract])) OR ("multiple organ failure"[Title/Abstract])) OR ("pyemia"[Title/Abstract])) OR ("toxic shock"[Title/Abstract])) OR ("sepsis"[Title/Abstract])) OR ("septic"[Title/Abstract])) OR ("severe sepsis"[Title/Abstract])) OR ("sepsis diagnosis"[Title/Abstract])) OR ("infectious disease"[Title/Abstract])) OR ("sepsis"[MeSH Terms])) OR ("bacteremia"[MeSH Terms])) OR ("Sepsis-Associated Encephalopathy"[MeSH Terms])) OR ("infection"[MeSH])
Embase N= 3830

('epidemiology'/exp OR 'epidemiology':ti,ab OR 'prevalence'/exp OR 'prevalence':ti,ab OR 'frequency':ti,ab OR 'incidence'/exp OR 'incidence':ti,ab)

('leukemia'/exp OR 'leukaemia':ti,ab OR 'leukemia':ti,ab OR 'leukaemias':ti,ab OR 'leukemias':ti,ab OR 'acute':ti,ab OR 'acute leukaemias':ti,ab OR 'acute myeloid leukemia':ti,ab OR 'acute lymphoblastic leukemia':ti,ab OR 'aml':ti,ab OR 'all':ti,ab)

('combination therapy':ti,ab OR 'chemotherapy induced peripheral neuropathy':ti,ab OR 'chemoradiation therapy':ti,ab OR 'adjuvant treatment':ti,ab OR 'adjuvant chemotherapy':ti,ab OR 'chemotherapy':ti,ab OR 'trastuzumab':ti,ab OR 'doxorubicin':ti,ab OR 'anthracyclines':ti,ab OR 'epirubicin':ti,ab OR 'hypomethylating agents':ti,ab OR 'immunotherapy':ti,ab OR 'induction chemotherapy':ti,ab OR 'adjuvant therapy':ti,ab OR 'chemoresistance':ti,ab OR 'photodynamic therapy':ti,ab OR 'drug therapy':ti,ab OR 'combined modality therapy':ti,ab OR 'complete remission':ti,ab OR 'chemotherapy induced febrile neutropenia'/exp)

('neutropenic sepsis':ti,ab OR 'febrile neutropenia':ti,ab OR 'neutropenia':ti,ab OR 'neutropenic':ti,ab OR 'chemotherapy induced febrile neutropenia':ti,ab)

('infection':ti,ab OR 'healthcare-associated infection':ti,ab OR 'health care-acquired infection':ti,ab OR 'nosocomial infection':ti,ab OR 'blood stream infection':ti,ab OR 'catheter-related bloodstream infection':ti,ab OR 'central line-associated bloodstream infection':ti,ab OR 'device infection':ti,ab OR 'focal sepsis':ti,ab OR 'intraabdominal sepsis':ti,ab OR 'sepsis syndrome':ti,ab OR 'septic disease':ti,ab OR 'septic shock':ti,ab OR 'bacteremia':ti,ab OR 'endotoxic shock':ti,ab OR 'bacterial shock':ti,ab OR 'multiple organ failure':ti,ab OR 'pyemia':ti,ab OR 'toxic shock':ti,ab OR 'sepsis':ti,ab OR 'septic':ti,ab OR 'severe sepsis':ti,ab OR 'sepsis diagnosis':ti,ab OR 'infectious disease':ti,ab OR 'sepsis'/exp OR 'bacteremia'/exp OR 'sepsis-associated encephalopathy'/exp OR 'infection'/exp)

Web of science N = 576

TS= ("neutropenic sepsis" OR "febrile neutropenia" OR "neutropenia" OR "neutropenic" OR "chemotherapy induced febrile neutropenia")

TS= ("combination therapy" OR "chemotherapy induced peripheral neuropathy" OR "chemoradiation therapy"

OR "adjuvant treatment" OR "adjuvant chemotherapy" OR "chemotherapy" OR "trastuzumab" OR "doxorubicin"

OR "anthracyclines" OR "epirubicin" OR "hypomethylating agents" OR "immunotherapy"

OR "induction chemotherapy" OR "adjuvant therapy" OR "chemoresistance" OR "photodynamic therapy"

OR "drug therapy" OR "combined modality therapy" OR "complete remission" OR "chemotherapy induced febrile neutropenia")

TS= ("infection" OR "healthcare-associated infection" OR "health care-acquired infection" OR "nosocomial infection"

OR "blood stream infection" OR "catheter-related bloodstream infection" OR "central line-associated bloodstream infection"

OR "device infection" OR "focal sepsis" OR "intraabdominal sepsis" OR "sepsis syndrome" OR "septic disease"

OR "septic shock" OR "bacteremia" OR "endotoxic shock" OR "bacterial shock" OR "multiple organ failure"

OR "pyemia" OR "toxic shock" OR "sepsis" OR "septic" OR "severe sepsis" OR "sepsis diagnosis"

OR "infectious disease" OR "sepsis-associated encephalopathy")

TS= ("leukaemias" OR "leukaemia" OR "leukemias" OR "leukemia" OR "acute" OR "acute leukaemias"

OR "acute myeloid leukaemia" OR "acute lymphoblastic leukaemia" OR "AML" OR "ALL")

TS= ("epidemiolog*" OR "prevalen*" OR "frequen*" OR "inciden*")

CINAHL Search Strategy N = 73

(TI (epidemiology* OR prevalence* OR frequency* OR incidence*) OR AB (epidemiology* OR prevalence* OR frequency* OR incidence*) OR MH ("Epidemiology" OR "Prevalence" OR "Incidence"))

(TI (leukaemia* OR leukemia* OR leukemias* OR AML OR ALL OR "acute leukaemia*" OR "acute leukemia*" OR "Acute Myeloid Leukaemia" OR "Acute Lymphoblastic Leukaemia")

OR AB (leukaemia* OR leukemia* OR leukemias* OR AML OR ALL OR "acute leukaemia*" OR "acute leukemia*" OR "Acute Myeloid Leukaemia" OR "Acute Lymphoblastic Leukaemia"))

(TI (chemotherapy* OR "adjuvant treatment*" OR "induction chemotherapy*" OR "combination therapy*" OR "drug therapy*" OR "chemoresistance*" OR "adjuvant chemotherapy*" OR "trastuzumab*" OR "anthracyclines*" OR "doxorubicin*" OR "epirubicin*" OR "hypomethylating agents*" OR "immunotherapy*" OR "chemotherapy induced febrile neutropenia*" OR "complete remission*")

OR AB (chemotherapy* OR "adjuvant treatment*" OR "induction chemotherapy*" OR "combination therapy*" OR "drug therapy*" OR "chemoresistance*" OR "adjuvant chemotherapy*" OR "trastuzumab*" OR "anthracyclines*" OR "doxorubicin*" OR "epirubicin*" OR "hypomethylating agents*" OR

"immunotherapy*" OR "chemotherapy induced febrile neutropenia*" OR "complete remission*")
(TI ("neutropenic sepsis*" OR "febrile neutropenia*" OR "neutropenia*" OR "chemotherapy induced febrile neutropenia*")
OR AB ("neutropenic sepsis*" OR "febrile neutropenia*" OR "neutropenia*" OR "chemotherapy induced febrile neutropenia*")
OR MH ("Febrile Neutropenia" OR "Neutropenia"))
(TI (infection* OR "nosocomial infection*" OR "bloodstream infection*" OR "central line-associated bloodstream infection*" OR "catheter-related bloodstream infection*" OR "sepsis*" OR "septic shock*" OR "bacteremia*" OR "multiple organ failure*" OR "severe sepsis*")
OR AB (infection* OR "nosocomial infection*" OR "bloodstream infection*" OR "central line-associated bloodstream infection*" OR "catheter-related bloodstream infection*" OR "sepsis*" OR "septic shock*" OR "bacteremia*" OR "multiple organ failure*" OR "severe sepsis*")
OR MH ("Sepsis" OR "Bacteremia" OR "Infection" OR "Septic Shock"))