

Supplementary Data

PubMed

Search time: 2025-11-14

Search	Query	Items found
#1	HIV OR Acquired Immunodeficiency Syndrome OR HIV Infections[MeSH Terms]	368973
#2	HIV[Title/Abstract] OR AIDS[Title/Abstract] OR human immunodeficiency virus[Title/Abstract] OR acquired immunodeficiency syndrome[Title/Abstract] OR PLWHA[Title/Abstract] OR PLWH[Title/Abstract]	502122
#3	#1 OR #2	541099
#4	(roc curve[MeSH Terms]) OR (validat*[Title/Abstract] OR predict*[Title/Abstract] OR rule*[Title/Abstract] OR stratification[Title/Abstract] OR discrimination[Title/Abstract] OR discriminate[Title/Abstract] OR "c-statistic"[Title/Abstract] OR "c statistic"[Title/Abstract] OR "area under the curve"[Title/Abstract] OR auc[Title/Abstract] OR calibration[Title/Abstract] OR indices[Title/Abstract] OR algorithm[Title/Abstract] OR multivariable[Title/Abstract] OR "machine learning"[Title/Abstract] OR "artificial intelligence"[Title/Abstract] OR "deep learning"[Title/Abstract] OR (predict*[Title/Abstract] AND (outcome*[Title/Abstract] OR risk*[Title/Abstract] OR model*[Title/Abstract])) OR ((History[Title/Abstract] OR variable*[Title/Abstract] OR Criteria[Title/Abstract] OR scor*[Title/Abstract] OR characteristic*[Title/Abstract] OR finding*[Title/Abstract] OR factor*[Title/Abstract]) AND (predict*[Title/Abstract] OR model*[Title/Abstract] OR decision*[Title/Abstract] OR identif*[Title/Abstract] OR prognos*[Title/Abstract])) OR (decision*[Title/Abstract] AND (model*[Title/Abstract] OR clinical*[Title/Abstract] OR "logistic models"[Title/Abstract])) OR (Prognostic[Title/Abstract] AND (History[Title/Abstract] OR variable*[Title/Abstract] OR Criteria[Title/Abstract] OR scor*[Title/Abstract] OR characteristic*[Title/Abstract] OR finding*[Title/Abstract] OR factor*[Title/Abstract] OR model*[Title/Abstract])))	7687702
#5	(HIV Testing[MeSH Terms]) OR (AIDS Serodiagnosis[MeSH Terms])	8279
#6	HIV test*[Title/Abstract] OR AIDS test*[Title/Abstract] OR HIV Infection Diagnos*[Title/Abstract] OR "HIV counseling and testing"[Title/Abstract] OR HIV testing service[Title/Abstract] OR "voluntary counselling and testing"[Title/Abstract] OR HIV screen*[Title/Abstract] OR AIDS Serodiagnos*[Title/Abstract] OR HIV Serodiagnos*[Title/Abstract] OR AIDS Serology[Title/Abstract] OR HIV Serology[Title/Abstract]	22066
#7	#5 OR #6	25636
#8	((((Retrospective Studies[MeSH Terms]) OR (Prospective Studies[MeSH Terms])) OR (Follow-Up Studies[MeSH Terms])) OR (Longitudinal Studies[MeSH Terms])) OR (Cohort Studies[MeSH Terms])	2814384
#9	cohort stud*[Title/Abstract] OR longitudinal stud*[Title/Abstract] OR follow-up stud*[Title/Abstract] OR prospective stud*[Title/Abstract] OR retrospective stud*[Title/Abstract]	1093020
#10	#8 OR #9	3153463
#11	#3 AND #4 AND #7 AND #10	1394

#12	#11 Filters: Humans, English, Adult: 19+ years, from 1996 - 2025	896
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Web of Science Core Collection

Search time: 2025-11-14

Search	Query	Items found
#1	TS=(HIV OR AIDS OR human immunodeficiency virus OR acquired immunodeficiency syndrome OR PLWHA OR PLWH)	899360
#2	TS=(roc curve OR validat* OR predict* OR rule* OR stratification OR discrimination OR discriminate OR "c-statistic" OR "c statistic" OR "area under the curve" OR auc OR calibration OR indices OR algorithm OR multivariable OR "machine learning" OR "artificial intelligence" OR "deep learning" OR (predict* AND (outcome* OR risk* OR model*)) OR ((History OR variable* OR Criteria OR scor* OR characteristic* OR finding* OR factor*) AND (predict* OR model* OR decision* OR identif* OR prognos*)) OR (decision* AND (model* OR clinical* OR "logistic models")) OR (Prognostic AND (History OR variable* OR Criteria OR scor* OR characteristic* OR finding* OR factor* OR model*)))	13723727
#3	TS=(HIV test* OR HIV Serodiagnos* OR AIDS test* OR AIDS Serodiagnos* OR HIV Infection Diagnos* OR HIV screen* OR "HIV counseling and testing" OR HIV testing service OR "voluntary counselling and testing" OR AIDS Serology OR HIV Serology)	187634
#4	TI=(cohort stud* OR longitudinal stud* OR follow-up stud* OR prospective stud* OR retrospective stud*)	445325
#5	#1 AND #2 AND #3 AND #4 AND DOP=(1996-01-01/2023-12-30) AND LA=(English)	2436

ProQuest

Search time: 2025-11-14

Search	Query	Items found
#1	subject(HIV OR AIDS OR human immunodeficiency virus OR acquired immunodeficiency syndrome OR PLWHA OR PLWH) OR title(HIV OR AIDS OR human immunodeficiency virus OR acquired immunodeficiency syndrome OR PLWHA OR PLWH) OR abstract(HIV OR AIDS OR human immunodeficiency virus OR acquired immunodeficiency syndrome OR PLWHA OR PLWH)	584401
#2	title(validat* OR predict* OR rule* OR stratification OR discrimination OR discriminate OR "c-statistic" OR "c statistic" OR "area under the curve" OR auc OR calibration OR indices OR algorithm OR multivariable OR "machine learning" OR "artificial intelligence" OR "deep learning" OR (predict* AND (outcome* OR risk* OR model*)) OR ((History OR variable* OR Criteria OR scor* OR characteristic* OR finding* OR factor*) AND (predict* OR model* OR decision* OR identif* OR prognos*)) OR (decision* AND (model* OR clinical* OR "logistic models")) OR (Prognostic AND (History OR variable* OR Criteria OR scor* OR characteristic* OR finding* OR factor* OR model*))) OR abstract(validat* OR predict* OR rule* OR stratification OR discrimination OR discriminate OR "c-statistic" OR "c statistic" OR "area under the curve" OR auc OR calibration OR indices OR algorithm OR multivariable OR "machine learning" OR "artificial intelligence" OR "deep learning" OR (predict* AND (outcome* OR risk* OR model*)) OR ((History OR variable* OR Criteria OR scor* OR characteristic* OR finding* OR factor*) AND (predict* OR model* OR decision* OR identif*	6307838

	OR prognos*)) OR (decision* AND (model* OR clinical* OR "logistic models")) OR (Prognostic AND (History OR variable* OR Criteria OR scor* OR characteristic* OR finding* OR factor* OR model*))	
#3	subject(HIV test* OR HIV Serodiagnos* OR AIDS test* OR AIDS Serodiagnos* OR HIV Infection Diagnos* OR HIV screen* OR "HIV counseling and testing" OR HIV testing service OR "voluntary counselling and testing" OR AIDS Serology OR HIV Serology) OR title(HIV test* OR HIV Serodiagnos* OR AIDS test* OR AIDS Serodiagnos* OR HIV Infection Diagnos* OR HIV screen* OR "HIV counseling and testing" OR HIV testing service OR "voluntary counselling and testing" OR AIDS Serology OR HIV Serology) OR abstract(HIV test* OR HIV Serodiagnos* OR AIDS test* OR AIDS Serodiagnos* OR HIV Infection Diagnos* OR HIV screen* OR "HIV counseling and testing" OR HIV testing service OR "voluntary counselling and testing" OR AIDS Serology OR HIV Serology)	114082
#4	subject(Retrospective Studies OR Prospective Studies OR Follow-Up Studies OR Longitudinal Studies OR Cohort Studies) OR title(cohort stud* OR longitudinal stud* OR follow-up stud* OR prospective stud* OR retrospective stud*) OR abstract(cohort stud* OR longitudinal stud* OR follow-up stud* OR prospective stud* OR retrospective stud*)	1504238
#5	#1 AND #2 AND #3 AND #4	10286
#6	#5 Narrowed by:Entered date: 1996-01-01 - 2025-11-14; Full text: Full text; Language: English	7383
#7	#6 Document type: Dissertation/Thesis;	129

CNKI

Search Time:2025-11-14

Search	Query	Items found
#1	(主题: 获得性免疫缺陷综合征 + HIV 感染)	51044
#2	(篇文摘: 人类免疫缺陷病毒 + 获得性免疫缺陷综合征 + 艾滋病 + HIV + AIDS + 获得性免疫缺乏综合征(模糊))	143544
#3	#1 OR #2	145487
#4	(主题: 艾滋病血清学诊断 + HIV 检测)	6156
#5	(篇文摘: 艾滋病血清学诊断 + HIV 血清学诊断 + HIV 检测(模糊))	3382
#6	#4 OR #5	7343
#7	(主题: 预测模型 + 风险预测 + 预后模型)	263135
#8	(篇文摘: 预测模型 + 风险预测 + 预后模型(模糊))	292709
#9	#7 OR #8	335833
#10	#3 AND #6 AND #9	29

WanFang

Search Time:2025-11-14

Search	Query	Items found
#1	(主题:(人类免疫缺陷病毒 OR 获得性免疫缺陷综合征 OR 艾滋病 OR HIV OR AIDS OR 获得性免疫缺乏综合征 OR HIV 感染)) and 发表时间:1996-*	476634

#2	(主题:(预测模型 OR 风险预测 OR 预后模型)) and 发表时间:1996-*	445851
#3	(主题:(艾滋病血清学诊断 OR HIV 血清学诊断 OR HIV 检测)) and 发表时间:1996-*	23288
#4	#1 AND #2 AND #3 and 发表时间:1996-*	203