Search strategy: Clinical and subjective oral health status of care home residents in Europe: a systematic review

Research question (e.g. PICO format): What are the clinical and subjective oral health outcomes of older care home residents in Europe?		
NAME OF DATABASE (interface): MEDLINE (via the Pubmed interface)		
Concept	**Line number**	**Search strategy [i]**
Concept 1a: Nursing home	1	"Nursing Homes"[Mesh] OR "Homes for the Aged"[Mesh] OR "residential facilit*"[TIAB] OR "nursing home*"[TIAB] OR "care home*"[TIAB] OR "long-term care" [TIAB] OR "long-term residential care" [TIAB] OR "long-term nursing care"[TIAB] OR "rest home*"[TIAB] OR "residential care" [TIAB] OR "residential home*"[TIAB] OR "institutionalized elderly" [TIAB] OR "institutionalised elderly"[TIAB] OR "care-dependen*"[TIAB] OR "residential care*"[TIAB] OR "extended care facilit*"[TIAB] OR "skilled nursing facility*"[TIAB] OR "convalescence home*"[TIAB] OR "convalescence hospital"[TIAB]
Concept 2a: Oral health clinical: general	2	"Oral Health"[Mesh] OR "oral health"[TIAB] OR "Dental Health Surveys"[MeSH] OR "dental health survey*"[TIAB] OR "Diagnosis, Oral"[MeSH] OR "mouth disease*"[TIAB] OR "oral disease*"[TIAB] OR "oral status"[TIAB] OR "natural teeth"[TIAB] OR "number of teeth"[TIAB] OR "remaining teeth"[TIAB] OR "tooth disease*"[TIAB] OR "oral state"[TIAB] OR "Dental Care for Aged"[Mesh] OR "dental health services"[Mesh] OR "dental care"[TIAB] OR "Tooth Diseases"[Mesh] OR "dental disease*"[TIAB] OR "Pathology, Oral"[Mesh] OR "mouth discomfort"[TIAB] OR "oral discomfort"[TIAB] OR "oral pain"[TIAB] OR "mouth pain"[TIAB] OR "toothache"[TIAB] OR "Dentition"[MeSH] OR "dentition"[TIAB] OR "oral function*"[TIAB]
Concept 2b: oral health clinical: caries related	3	"DMF index"[TIAB] OR "DMF indices"[TIAB] OR caries[TIAB] OR "retained root*"[TIAB] OR "remaining root*"[TIAB] OR "root remnant*"[TIAB] OR "residual root*"[TIAB] OR "dental decay"[TIAB] OR carious[TIAB]
2c: oral health clinical, denture related	4	"Dental Prosthesis"[Mesh] OR "dental prosthesis"[TIAB] OR "denture*"[TIAB] OR "Mouth, Edentulous"[Mesh] OR "edentulous*"[TIAB] OR "tooth loss"[TIAB] OR "oral ulcer"[TIAB] OR "denture stomatitis"[TIAB] OR "candida"[TIAB] OR "cheilitis"[TIAB] OR "Stomatitis, Denture"[Mesh] OR "edentulism"[TIAB] OR "prosthetic status"[TIAB] OR "prosthetic condition"[TIAB] OR "candidiasis"[TIAB] OR "Candidiasis, Oral"[Mesh] OR "Oral Ulcer"[Mesh] OR "oral thrush"[TIAB]

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2d: oral health clinical: hygiene natural teeth related	5	"Oral Hygiene"[Mesh] OR "oral hygiene"[TIAB] OR "Dental Calculus"[TIAB] OR calculus[TIAB] OR "dental plaque"[TIAB] OR "plaque ind*"[TIAB] OR "denture plaque"[TIAB] OR "oral cleanliness"[TIAB] OR "debris"[TIAB] OR "residual food"[TIAB] OR "dental hygiene"[TIAB] OR "denture hygiene"[TIAB]
2e: oral health clinical perio related	6	"Periodontal diseases"[MeSH] OR "periodontitis"[TIAB] OR "Gingivitis"[TIAB] OR "periodontal disease*"[TIAB] OR "gingival bleeding"[TIAB] OR "gum health"[TIAB] OR DPSI[TIAB] OR CPITN[TIAB] OR "paradontal disease*"[TIAB] OR "tooth loss"[TIAB] OR "tooth mobility"[TIAB] OR "periodontal attachment loss"[TIAB] OR "gingiva disease"[TIAB]
2f: oral health dry mouth related	7	Xerostomia*[TIAB] OR "Xerostomia"[Mesh] OR "dry mouth"[TIAB] OR "mouth dryness"[TIAB] OR "hyposalivation"[TIAB]
2h: treatment related	8	"oral treatment need*"[TIAB] OR "dental treatment need*"[TIAB] OR "intra-oral finding*" [TIAB] OR "oral health issue*"[TIAB] OR "tooth extraction"[TIAB] OR "Dentistry, Operative"[Mesh] OR "Tooth Extraction"[Mesh] OR "Geriatric Dentistry"[Mesh] OR gerodont*[TIAB]
3a: subjective outcomes	9	OHRQoL[TIAB] OR GOHAI[TIAB] OR "geriatric oral health assessment"[TIAB] OR "oral health-related quality of life"[TIAB] OR "OHIP*"[TIAB] OR "oral health impact profile"[TIAB] OR "ROAG"[TIAB] OR "revised oral assessment"[TIAB] OR OIDP[TIAB] OR "OQol"[TIAB] OR "POQoL"[TIAB]
3b: subjective AND (2-8)	10	"self assess*"[TIAB] OR "subjective*"[TIAB] OR "self-perceived"[TIAB] OR "self-rated"[TIAB] OR "self-report*"[TIAB] OR "patient assess*"[TIAB] OR "patient report"[TIAB] OR "patient rated"[TIAB] OR "perception*"[TIAB] OR "Self-Assessment"[Mesh] OR "Self Report"[Mesh] OR "Diagnostic Self Evaluation"[Mesh] OR "Attitude to Health"[Mesh] OR "Patient Reported Outcome Measures"[Mesh] OR "PROMs"[TIAB] OR "PROs"[TIAB] OR "prom"[TIAB] OR "pro"[TIAB]

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Research question (e.g. PICO format): What are the clinical and subjective oral health outcomes of older care home residents in Europe?		
NAME OF DATABASE (interface): Embase (via the embase.com interface)		
Concept	**Line number**	**Search strategy** [i]
Concept 1a: Nursing home	1	'nursing home'/exp OR 'residential care'/exp OR 'nursing home patient'/exp OR 'residential facilit*':ti,ab,kw OR 'nursing home*':ti,ab,kw OR 'care home*':ti,ab,kw OR 'long-term care':ti,ab,kw OR 'long-term nursing care':ti,ab,kw OR 'rest home*':ti,ab,kw OR 'residential care':ti,ab,kw OR 'residential home*':ti,ab,kw OR 'institutionalized elderly':ti,ab,kw OR 'institutionalised elderly':ti,ab,kw OR 'care-dependen*':ti,ab,kw OR 'residential care*':ti,ab,kw OR "extended care facilit*":ti,ab,kw OR 'extended care facilit*':ti,ab,kw OR 'skilled nursing facility*':ti,ab,kw OR 'convalescence home*':ti,ab,kw OR 'convalescence hospital':ti,ab,kw
Concept 2a: Oral health clinical: general	2	'dental health'/exp OR 'oral health':ti,ab,kw OR 'dental health survey*':ti,ab,kw OR 'tooth disease'/exp OR 'oral status':ti,ab,kw OR 'natural teeth':ti,ab,kw OR 'number of teeth':ti,ab,kw OR 'remaining teeth':ti,ab,kw OR 'tooth disease*':ti,ab,kw OR 'oral state':ti,ab,kw OR 'dental procedure'/exp OR 'dental care':ti,ab,kw OR 'dental disease*':ti,ab,kw OR 'oral discomfort':ti,ab,kw OR 'dental disease assessment'/exp OR 'mouth discomfort'/exp OR 'oral disease*':ti,ab,kw OR 'tooth ache':ti,ab,kw OR 'pain NEAR/2 mouth*':ti,ab,kw OR 'dental disease assessment'/exp OR 'dentition'/exp OR 'dentition':ti,ab,kw OR 'oral function*':ti,ab,kw
Concept 2b: oral health clinical: caries related	3	'DMF index':ti,ab,kw OR 'DMF indices':ti,ab,kw OR 'caries':ti,ab,kw OR 'root caries':ti,ab,kw OR 'retained root*':ti,ab,kw OR 'remaining root*':ti,ab,kw OR 'dental decay':ti,ab,kw OR 'carious':ti,ab,kw OR 'residual root':ti,ab,kw OR 'root remnant':ti,ab,kw

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2c: oral health clinical, denture related	4	'tooth prosthesis'/exp OR 'dental prosthesis':ti,ab,kw OR 'denture*':ti,ab,kw OR 'edentulous*':ti,ab,kw OR 'tooth loss':ti,ab,kw OR 'oral ulcer':ti,ab,kw OR 'denture stomatitis':ti,ab,kw OR 'candida':ti,ab,kw OR 'cheilitis':ti,ab,kw OR 'stomatitis'/exp OR 'edentulism':ti,ab,kw OR 'prosthetic status':ti,ab,kw OR 'prosthetic condition':ti,ab,kw OR 'candidiasis':ti,ab,kw
2d: oral health clinical: hygiene related	5	'mouth hygiene'/exp OR 'oral hygiene':ti,ab,kw OR 'mouth hygiene':ti,ab,kw OR 'tooth Calculus':ti,ab,kw OR 'dental calculus':ti,ab,kw OR 'dental deposit*':ti,ab,kw OR 'plaque index':ti,ab,kw OR 'dental plaque':ti,ab,kw OR 'tooth plaque':ti,ab,kw OR 'denture plaque':ti,ab,kw OR 'oral cleanliness':ti,ab,kw OR 'debris NEAR/2 mouth':ti,ab,kw OR 'residual food':ti,ab,kw OR 'dental hygiene':ti,ab,kw OR 'denture hygiene':ti,ab,kw
2e: oral health clinical perio related	6	'Periodontal disease*':ti,ab,kw OR periodontitis:ti,ab,kw OR Gingivitis:ti,ab,kw OR 'bleeding on probing':ti,ab,kw OR 'gingival bleeding':ti,ab,kw OR 'gum health':ti,ab,kw OR 'paradontal disease*':ti,ab,kw OR (parodont* AND disease*):ti,ab,kw OR 'tooth NEAR/2 loss':ti,ab,kw OR 'tooth NEAR/2 mobility':ti,ab,kw OR 'periodontal attachment loss':ti,ab,kw OR (peridont* AND disease*):ti,ab,kw OR 'gingiva disease':ti,ab,kw OR 'gingiva bleeding*':ti,ab,kw OR CPITN:ti,ab,kw OR DPSI:ti,ab,kw
2f: oral health dry mouth related	7	Xerostomia:ti,ab,kw OR 'xerostomia'/exp OR 'dry NEAR/2 mouth':ti,ab,kw OR 'mouth dryness':ti,ab,kw OR 'hyposalivation':ti,ab,kw
2h: treatment related	8	'oral treatment need*':ti,ab,kw OR 'dental treatment need*':ti,ab,kw OR 'intra-oral finding*':ti,ab,kw OR 'tooth extraction':ti,ab,kw OR "Gerodont*":ti,ab,kw

3a: subjective outcomes	9	OHRQoL:ti,ab,kw OR GOHAI:ti,ab,kw OR 'geriatric oral health assessment':ti,ab,kw OR 'oral health impact profile':ti,ab,kw OR OIDP:ti,ab,kw OR 'oral impact on daily living':ti,ab,kw OR 'OQol':ti,ab,kw OR 'POQoL':ti,ab,kw OR 'oral health-related quality of life':ti,ab,kw OR 'OHIP*':ti,ab,kw OR 'ROAG':ti,ab,kw OR 'revised oral assessment':ti,ab,kw
3b: subjective AND (2-8)	10	'self assess*':ti,ab,kw OR 'subjective*':ti,ab,kw OR 'self-perceived':ti,ab,kw OR 'self-rated':ti,ab,kw OR 'self-report*':ti,ab,kw OR 'perception*':ti,ab,kw OR 'patient assess*':ti,ab,kw OR 'patient report':ti,ab,kw OR 'patient rated':ti,ab,kw OR 'proms':ti,ab,kw OR 'pros':ti,ab,kw OR 'pro':ti,ab,kw OR 'prom':ti,ab,kw OR 'self evaluation'/exp OR 'patient-reported outcome'/exp OR 'self report'/exp OR 'quality of life'/exp

Concept	Line number	Search strategy [i] in CINAHL (via the EBCSOhost interface)
Concept 1a: Nursing home	1	(MH "Nursing Homes+") OR (MH "Nursing Home Patients") OR (MH "Long Term Care") OR AB ("nursing home*" OR "care home*" OR "long-term care" OR "long-term residential care" OR "long-term nursing care" OR "rest home*" OR "residential care" OR "residential home*" OR "institutionalized elderly" OR "institutionalised elderly" OR "care-dependen*" OR "residential care*" OR "extended care facilit*" OR "skilled nursing facility*" OR "convalescence home*" OR "convalescence hospital") OR TI ("nursing home*" OR "care home*" OR "long-term care" OR "long-term residential care" OR "long-term nursing care" OR "rest home*" OR "residential care" OR "residential home*" OR "institutionalized elderly" OR "institutionalised elderly" OR "care-dependen*" OR "residential care*" OR "extended care facilit*" OR "skilled nursing facility*" OR "convalescence home*" OR "convalescence hospital")

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Concept 2a: Oral health clinical: general	2	MH "Oral Health" OR (MH "Oral Health Maintenance (Iowa NIC)") OR (MH "Dentistry+") OR (MH "Dental Health Services+") OR (MH "Diagnosis, Oral+") OR (MH "Tooth Diseases+") OR (MH "Dentition+") OR AB ("oral health" OR "dental health survey*" OR "oral health survey" OR "mouth disease*" OR "oral disease*" OR "oral health status" OR "oral status" OR "natural teeth" OR "number of teeth" OR "remaining teeth" OR "tooth disease*" OR "oral state" OR "dental care" OR "dental disease*" OR "mouth discomfort" OR "oral discomfort" OR "oral pain" OR "mouth pain" OR "toothache" OR "oral function") OR TI ("oral health" OR "dental health survey*" OR "oral health survey" OR "mouth disease*" OR "oral disease*" OR "oral health status" OR "oral status" OR "natural teeth" OR "number of teeth" OR "remaining teeth" OR "tooth disease*" OR "oral state" OR "dental care" OR "dental disease*" OR "mouth discomfort" OR "oral discomfort" OR "oral pain" OR "mouth pain" OR "toothache" OR "oral function")
Concept 2b: oral health clinical: caries related	3	TI ("DMF ind*" OR "caries" OR "root caries" OR "retained root*" OR "remaining root*" OR "dental decay" OR "carious" OR "residual root" OR "root remnant")) OR AB ("DMF ind*" OR "caries" OR "root caries" OR "retained root*" OR "remaining root*" OR "dental decay" OR "carious" OR "residual root" OR "root remnant")
2c: oral health clinical, denture related	4	(MH "Mouth, Edentulous+") OR (MH "Stomatitis+") OR (MH "Dental Prosthesis+") OR TI ("dental prosthesis" OR "denture*" OR "edentulous*" OR "tooth loss" OR "dentition" OR "oral ulcer" OR "denture stomatitis" OR "candida" OR "cheilitis" OR "edentulism" OR "prosthetic status" OR "prosthetic condition" OR "candidiasis" OR "denture sore mouth" OR "mouth thrush" OR "oral thrush") OR AB ("dental prosthesis" OR "denture*" OR "edentulous*" OR "tooth loss" OR "dentition" OR "oral ulcer" OR "denture stomatitis" OR "candida" OR "cheilitis" OR "edentulism" OR "prosthetic status" OR "prosthetic condition" OR "candidiasis" OR "denture sore mouth" OR "mouth thrush" OR "oral thrush")
2d: oral health clinical: hygiene	5	(MH "Oral Hygiene+") OR TI ("oral hygiene" OR "Dental Calculus" OR calculus OR "Dental Plaque Index" OR "dental plaque" OR "plaque" OR "plaque ind*" OR "denture plaque" OR "oral cleanliness" OR "debris" OR "residual food" OR "dental hygiene" OR "denture hygiene")

natural teeth related		OR AB ("oral hygiene" OR "Dental Calculus" OR calculus OR "Dental Plaque Index" OR "dental plaque" OR "plaque" OR "plaque ind*" OR "denture plaque" OR "oral cleanliness" OR "debris" OR "residual food" OR "dental hygiene" OR "denture hygiene")
2e: oral health clinical perio related	6	(MH "Periodontal Diseases+") OR TI ("periodontitis" OR "Gingivitis" OR "periodontal disease*" OR "gingival bleeding on probing" OR "gingival bleeding" OR "gum health" OR DPSI OR CPITN OR "paradontal disease*" OR "tooth loss" OR "tooth mobility" OR "periodontal attachment loss" OR "gingiva disease") OR AB ("periodontitis" OR "Gingivitis" OR "periodontal disease*" OR "gingival bleeding on probing" OR "gingival bleeding" OR "gum health" OR DPSI OR CPITN OR "paradontal disease*" OR "tooth loss" OR "tooth mobility" OR "periodontal attachment loss" OR "gingiva disease")
2f: oral health dry mouth related	7	(MH "Xerostomia+") OR TI (Xerostomia* OR "dry mouth" OR "mouth dryness" OR "hyposalivation") OR AB (Xerostomia* OR "dry mouth" OR "mouth dryness" OR "hyposalivation")
2h: treatment related	8	TI ("oral treatment need*" OR "dental treatment need*" OR "intra-oral finding*" OR "tooth extraction" OR "Geriatric Dentistry" OR gerodont*) OR AB ("oral treatment need*" OR "dental treatment need*" OR "intra-oral finding*" OR "tooth extraction" OR "Geriatric Dentistry" OR gerodont*)
3a: subjective outcomes	9	TI (OHRQoL OR GOHAI OR "oral health-related quality of life" OR "OHIP*" OR "ROAG" OR "revised oral assessment" OR "OIDP" OR "geriatric oral health assessment" OR "oral health impact profile" OR "oral impact on daily living" OR "OQol" OR "POQoL") OR

		AB (OHRQoL OR GOHAI OR "oral health-related quality of life" OR "OHIP*" OR "ROAG" OR "revised oral assessment" OR "OIDP" OR "geriatric oral health assessment" OR "oral health impact profile" OR "oral impact on daily living" OR "OQol" OR "POQoL")
3b: subjective AND (2-8)	10	TI ("self assess*" OR '"subjective*" OR "self-perceived" OR "self-rated" OR "self-report*" OR "patient assess*" OR "patient report" OR "patient rated" OR "perception*" OR "proms" OR "pros") OR AB("self assess*" OR '"subjective*" OR "self-perceived" OR "self-rated" OR "self-report*" OR "patient assess*" OR "patient report" OR "patient rated" OR "perception*" OR "proms" OR "pros") OR (MM "Self-Awareness") OR (MH "Self Report+") OR (MH "Patient-Reported Outcomes+") OR (MH "Self Assessment") OR (MH "Quality of Life+")