

Supplementary Appendix 1

Search strategies

Ovid Medline Search Strategy

1	lung diseases, obstructive/ or exp bronchitis/ or exp pulmonary disease, chronic obstructive/	106433
2	(COPD or COAD or COBD).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	55407
3	emphysema*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	38379
4	(chronic* adj3 bronchiti*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	11844
5	(obstruct* adj3 (pulmonary or lung* or airway* or airflow* or bronch* or respirat*)).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	131639
6	1 or 2 or 3 or 4 or 5	193752
7	exp patient satisfaction/ or exp patient preference/	97603
8	exp "Patient Acceptance of Health Care"/	169073
9	(patient satisfaction or satisfaction or patient preference or consumer satisfaction or patient acceptance of health care or patient rating).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	299213
10	patient experience.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	8502

11	patient assess*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	5761
12	patient rat* of care.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	36
13	exp health services accessibility/ or exp health equity/ or exp right to health/ or exp universal health care/	122501
14	(access to health care or accessibility or health services or accessibility or program or accessibility of health services or availability of health services or health services accessibility or health services availability or health services geographic accessibility or program accessibility).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1002590
15	(care quality or health care quality or healthcare quality or quality of care or quality of health care or quality of healthcare).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	195765
16	exp physician-patient relations/ or exp therapeutic alliance/	75936
17	exp Trust/	11939
18	exp respect/	766
19	exp prejudice/ or exp social discrimination/ or exp social stigma/ or exp stereotyping/	54991
20	exp Attitude to Health/	461591
21	exp help-seeking behavior/	1111
22	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21	1743605
23	SARS-CoV-2/ or COVID-19/	170136
24	(corona* adj1 (virus* or viral*)).ti,ab,kw,kf.	5152
25	(CoV not (Coefficient* or "co-efficen*" or covalent* or Covington* or covariant* or covarianc* or "cut-off value*" or "cutoff value*" or "cut-off volume*" or "cutoff volume*" or "combined optimi?ation value*" or "central vessel trunk*" or CoVR or CoVS)).ti,ab,kw,kf.	90699
26	(coronavirus* or 2019nCoV* or 19nCoV* or "2019 novel*" or Ncov* or "n-cov" or "SARSCoV-2*" or "SARSCoV-2*" or SARSCoV2* or "SARS-CoV2*" or "severe acute respiratory syndrome*" or COVID*2).ti,ab,kw,kf.	263356
27	23 or 24 or 25 or 26	281407

28	23 or 24 or 25 or 26	281407
29	limit 27 to yr="2020 -Current"	268064
30	6 and 22 and 29	100

PsychINFO Search Strategies

1	copd.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	1836
2	chronic obstructive pulmonary disease.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	2626
3	Chronic Obstructive Pulmonary Disease/	1418
4	exp Chronic Obstructive Pulmonary Disease/	1643
5	chronic obstructive pulmonary disease/ or exp bronchial disorders/ or exp pulmonary emphysema/	1643
6	exp bronchial disorders/	177
7	exp pulmonary emphysema/	87
8	(COPD or COAD or COBD).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	1864
9	emphysema*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	317
10	(chronic* adj3 bronchiti*).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	159
11	(obstruct* adj3 (pulmonary or lung* or airway* or airflow* or bronch* or respirat*)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	3546
12	1 or 2 or 4 or 6 or 7 or 8 or 9 or 10 or 11	4151
13	patient experience.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	1675
14	patient satisfaction.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	14274
15	patient preference.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	2388
16	exp consumer satisfaction/	5528
17	consumer satisfaction.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	6414

18patient acceptance of health care.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	12271
19patient rating.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	98
20patient assess*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	1025
21patient rat* of care.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	15
22patient perception.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	516
23patient opinion.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	56
24patient percep*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	1661
25patient attitude*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	1279
26patient attitude.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	111
27patient feeling*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	60
28patient emotion*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	160
29exp client attitudes/	24195
30exp Client Satisfaction/	6098
31patient outcome*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	6872
32physician patient relation.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	20
33physician patient relation*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	13795
34therapeutic processes/	27032
35exp therapeutic processes/	80854
36Physician Patient Interaction.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	310

37Patient Provider Processes.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	0
38therapeutic alliance.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	9050
39therapeutic alliance/	5821
40exp Therapeutic Alliance/	5821
41health service accessibility.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	21
42health access.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	345
43health care access/	1834
44exp Health Care Access/	7945
45accessibility of health services.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	40
46"quality of care"/	14370
47care quality.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	2717
48health care quality.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	884
49healthcare quality.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	459
50quality of care.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	23206
51quality of health care.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	8123
52quality of healthcare.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	742
53stigma.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	32321
54stigma*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	40163
55exp stigma/	15886
56exp self-stigma/	568

57"trust (social behavior)"/	13622
58trust.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	43352
59trust*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	53996
60exp "Trust (Social Behavior)"/	13622
61respect.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	97412
62Respect/	1358
63exp Respect/	1358
64help seeking behaviour.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	519
65help seeking behavio*.mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	7975
66Help Seeking Behavior/	6369
67exp help seeking behavior/	15323
6813 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 23 or 24 or 25 or 27 or 28 or 29 or 30 or 31 or 33 or 35 or 36 or 38 or 40 or 41 or 42 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 54 or 55 or 56 or 59 or 60 or 61 or 63 or 65 or 67	361042
6913 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 27 or 28 or 30 or 33 or 38 or 40 or 41 or 42 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 54 or 55 or 56 or 59 or 60 or 61 or 63 or 65 or 67	282953
70exp Pandemics/ or exp COVID-19/ or exp Quarantine/ or exp Coronavirus/	13455
71coronavirus disease 2019.mp.	1572
72SARS-CoV-2.mp. or exp COVID-19/	10993
73(corona* adj1 (virus* or viral*)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	149
74(CoV not (Coefficien* or "co-efficien*" or covalent* or Covington* or covariant* or covarianc* or "cut-off value*" or "cutoff value*" or "cut-off volume*" or "cutoff volume*" or "combined optimi?ation value*" or "central vessel trunk*" or CoVR or CoVS)).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	3552
75(coronavirus* or 2019nCoV* or 19nCoV* or "2019 novel*" or Ncov* or "n-cov" or "SARSCoV-2*" or "SARSCoV-2*" or SARSCoV2* or "SARS-CoV2*" or "severe acute respiratory syndrome*" or	18910

COVID*2).mp. [mp=title, abstract, heading word, table of contents, key concepts, original title, tests & measures, mesh word]	
7670 or 71 or 72 or 73 or 74 or 75	19749
7712 and 68 and 76	4
Emcare Search Strategies	
1	exp chronic obstructive lung disease/ 36582
2	exp chronic bronchitis/ 2256
3	exp cigarette smoke-induced emphysema/ 6
4	exp emphysema/ 11490
5	exp lung emphysema/ 4384
6	exp obstructive airway disease/ 108798
7	emphysema*.mp. 10843
8	(chronic* adj3 bronchiti*).mp. 2610
9	(obstruct* adj3 (pulmonary or lung* or airway* or airflow* or bronch* or respirat*)).mp. 55782
10	exp patient satisfaction/ 58007
11	exp patient preference/ 8223
12	patient acceptance of health care.mp. 169
13	(patient satisfaction or satisfaction or patient preference or consumer satisfaction or patient acceptance of health care or patient rating).mp. 151513
14	patient experience.mp. 5954
15	patient assess*.mp. 15741
16	patient rat* of care.mp. 25
17	exp health care access/ 43004
18	exp health equity/ 3777
19	exp right to health/ 295
20	(access to health care or accessibility or health services or accessibility or program or accessibility of health services or availability of health services or health services accessibility or health services availability or health services geographic accessibility or program accessibility).mp. 429377
21	(care quality or health care quality or healthcare quality or quality of care or quality of health care or quality of healthcare).mp. 130892
22	exp doctor patient relationship/ 1856

23exp therapeutic alliance/	668
24exp trust/	13982
25exp respect/	1511
26exp prejudice/	2260
27exp social discrimination/	18684
28exp social stigma/	4047
29exp stereotyping/	846
301 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9	120870
3110 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29	730382
32covid.mp. or exp coronavirus disease 2019/	93661
33limit 32 to (yr="2019 -Current" and covid-19)	30693
3432 or 33	93661
3530 and 31 and 34	94
36SARS-CoV-2.mp. or exp Severe acute respiratory syndrome coronavirus 2/	26791
37limit 36 to (yr="2019 -Current" and covid-19)	8923
3834 or 36 or 37	96661
3930 and 31 and 38	94
40SARS-CoV-2.mp. or exp Severe acute respiratory syndrome coronavirus 2/	26791
41exp coronavirus disease 2019/	60298
42exp experimental coronavirus disease 2019/	2
43(corona* adj1 (virus* or viral*).ti,ab,kw.	1184
44(CoV not (Coefficient* or co-efficien* or covalent* or covington or covariant* or covarianc* or "cut-off value*" or "cutoff value*" or "cut-off volume*" or "cutoff volume*" or "combined optimi?ation value*" or "central vessel trunk" or CoVR or CoVS)).ti,ab,kw.	19159
45(coronavirus* or 2019nCoV* or 19nCoV* or "2019 novel*" or Ncov* or "n-cov" or "SARSCoV-2*" or "SARSCoV-2*" or SARSCoV2* or "SARS-CoV2*" or "severe acute respiratory syndrome*" or COVID*2).ti,ab,kw.	92479
4640 or 41 or 42 or 43 or 44 or 45	100435
4740 or 41 or 42 or 43 or 44 or 45	100435
48limit 47 to yr="2020 -Current"	98164
4930 and 31 and 48	94

CINAHL search strategies

S17	S3 AND S10 AND S16	Search modes - Boolean/Phrase	View Results (139) View Details Edit
S16	S11 OR S13 OR S14 OR S15	Search modes - Boolean/Phrase	View Results (75,753) View Details Edit
S15	(corona* n1 (virus* or viral*))	Limiters - Publication Year: 2020-2022 Search modes - Boolean/Phrase	View Results (656) View Details Edit
S14	CoV	Limiters - Publication Year: 2020-2021 Search modes - Boolean/Phrase	View Results (615) View Details Edit
S13	(coronavirus* or 2019nCoV* or 19nCoV* or "2019 novel*" or Ncov* or "n-cov" or "SARS-CoV-2*" or "SARSCoV-2*" or SARSCoV2* or "SARS-CoV2*" or "severe acute respiratory syndrome*" or COVID*2)	Limiters - Publication Year: 2020-2022 Search modes - Boolean/Phrase	View Results (32,703) View Details Edit
S12	(corona* n1 (virus* or viral*))	Search modes - Boolean/Phrase	View Results (718) View Details Edit
S11	(MH "COVID-19+") OR (MH "COVID-19 Testing") OR (MH "COVID-19 Vaccines") OR (MH "COVID-19 Pandemic") OR (MH "SARS-CoV-2")	Search modes - Boolean/Phrase	View Results (60,466) View Details Edit
S10	S4 OR S5 OR S6 OR S7 OR S8 OR S9	Search modes - Boolean/Phrase	View Results (1,492,890) View Details Edit
S9	(MH "Respect") OR "respect"	Search modes - Boolean/Phrase	View Results (62,213) View Details Edit
S8	(MH "Therapeutic Alliance") OR "therapeutic alliance or therapeutic relationship or working alliance or bond or helping alliance"	Search modes - Boolean/Phrase	View Results (520) View Details Edit
S7	(MH "Trust") OR "trust"	Search modes - Boolean/Phrase	View Results (37,405) View Details Edit
S6	(MH "Life Experiences+") OR (MH "Patient Attitudes")	Search modes - Boolean/Phrase	View Results (103,568) View Details Edit

S5	(MH "Health Services Accessibility+") OR "health access or healthcare access or access to healthcare" OR (MH "Quality of Health Care+") OR (MH "Primary Health Care+") OR (MH "Preventive Health Care+")	Search modes - Boolean/Phrase	View Results (1,250,040) View Details Edit
S4	(MH "Patient Attitudes") OR (MH "Ventilator Patients") OR (MH "Physician-Patient Relations") OR (MH "Professional-Patient Relations+") OR "patient experience or patient perception or patient opinions or patient attitudes or patient views or patient feelings" OR (MH "Patient Satisfaction+") OR (MH "Patient-Reported Outcomes+") OR (MH "Patient Preference")	Search modes - Boolean/Phrase	View Results (206,721) View Details Edit
S3	S1 OR S2	Search modes - Boolean/Phrase	View Results (80,062) View Details Edit
S2	(MH "Pulmonary Disease, Chronic Obstructive+") OR (MH "Lung Diseases, Obstructive+") OR "chronic obstructive pulmonary disease or copd or chronic obstructive airway disease or chronic obstructive lung disease" OR (MH "Airway Obstruction+")	Search modes - Boolean/Phrase	View Results (72,617) View Details Edit
S1	chronic obstructive pulmonary disease or copd or chronic obstructive airway disease or chronic obstructive lung disease	Search modes - Boolean/Phrase	View Results (31,148) View Details Edit

Supplementary Appendix 2

Rapid review critical appraisal MMAT results

Screening Questions	Screening questions (for all types)	
Study Details	S1. Are there clear research questions? Yes, No, Can't tell, Comments	Do the collected data allow to address the research questions? Yes, No, Can't tell, Comments
Liang 2020	Yes	Yes
Mansfield 2021 (low in information richness)	Yes	Yes
Mousing 2021	Yes	Yes
Oliveira	Yes	Yes
Philip 2020 -Respiratory patients	Yes	Yes
Philip 2020 -COVID-19 related concerns	Yes	Yes
Pleguezuelos 2020	Yes	Yes
Stamenova 2022 (low in information richness)	Yes, some data collected before pandemic	Yes
Volpato 2021*Narrative Analysis	Yes	Yes
Wu 2021	Yes	Yes

Study Details – Qualitative study designs	1.1. Is the qualitative approach appropriate to answer the research question?	1.2. Are the qualitative data collection methods adequate to address the research question?	1.3. Are the findings adequately derived from the data?	1.4. Is the interpretation of results sufficiently substantiated by data?	1.5. Is there coherence between qualitative data sources, collection, analysis and interpretation?
Mousing 2021	Yes	Yes	Yes	Yes	Yes
Oliveira	Yes	Yes	Yes	Yes	Yes
Philip 2020 -COVID-19 related concerns	Yes	Yes	Yes	Yes	Yes
Study Details - Quantitative non-randomized controlled trial designs	3.1. Are the participants representative of the target population?	3.2. Are measurements appropriate regarding both the outcome and intervention (or exposure)?	3.3. Are there complete outcome data?	3.4. Are the confounders accounted for in the design and analysis?	3.5. During the study period, is the intervention administered (or exposure occurred) as intended?
Stamenova 2022 (low in information richness)	Yes	Yes	Yes	No	Yes
Study Details – Quantitative descriptive designs	4.1. Is the sampling strategy relevant to address the research question?	4.2. Is the sample representative of the target population?	4.3. Are the measurements appropriate?	4.4. Is the risk of nonresponse bias low?	4.5. Is the statistical analysis appropriate to answer the research question?
Liang 2020	Yes	Yes	Yes	Yes (153/218 responded)	Yes
Mansfield 2021 (low in information richness)	Yes	Yes	Yes	Can't tell, appeared to used a retrospectively collected dataset	Yes
Philip 2020 -Respiratory patients	Yes	Yes	Yes	Yes. A lot of data has been removed, wonder if this is alright? 9604/~13000	Yes
Pleguezuelos 2020	Yes	Yes	Yes	Yes	Yes

Wu 2021	Yes	Yes, but still only 19 patients and 55 clinicians. Patient recruitment was limited due to pandemic p.2	Yes	No	Yes
Study Details - Mixed methods study designs	5.1. Is there an adequate rationale for using a mixed methods design to address the research question?	5.2. Are the different components of the study effectively integrated to answer the research question?	5.3. Are the outputs of the integration of qualitative and quantitative components adequately interpreted?	5.4. Are divergences and inconsistencies between quantitative and qualitative results adequately addressed?	5.5. Do the different components of the study adhere to the quality criteria of each tradition of the methods involved?
Volpato 2021*Narrative Analysis	Yes	Yes	Narrative analysis, used statistical data and narrative medicine approach,	Yes	Can't tell

Supplementary Appendix 3

Data Extraction Template

Authors (year of publication)	Title	Country	Sample (number of participants, chronic illness (comorbidities), current or ex-smoker)	Participant recruitment (where participants were recruited from)	Time period data collected (during COVID pandemic)	Health care setting (eg. primary health care)	Health care setting mentioned by participant (eg. in relevant quotes)	Data Collection method (eg. in-depth, semi-structured interviews, surveys)	Type of Methodology	Results and Findings