

Cough/dyspnea evidence project – Evidence-based Guidelines Included in the Recommendation Matrix

Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument

AGREE II Domain	AGREE II Domain Topics	ACCP. Irwin RS, Baumann MH, Bolser DC, et al. Diagnosis and management of cough executive summary: ACCP evidence-based clinical practice guidelines. Chest. 2006; 129 (1 Suppl):15-235.	ACR. Cox CC, Chung JH, Ackman JB, et al. ACR Appropriateness Criteria® occupational lung diseases. J Am Coll Radiol. 2020; 17(5S):S188-S197.	ACOEM. Hegmann KT, Litow FK, Petsonk EL, et al. Occupational interstitial lung disease. American College of Environmental & Occupational Medicine. 2019.	ACR. Jokerst C, Chung JH, Ackman JB, et al. ACR Appropriateness Criteria® acute respiratory illness in immunocompetent patients. J Am Coll Radiol. 2018; 15(11S):S240-S251.	ACR. Hobbs SB, Chung JH, Walker CM, et al. ACR Appropriateness Criteria® diffuse lung disease. 2021.	ACR. McComb BL, Ravenel JG, Steiner RM, et al. ACR Appropriateness Criteria® chronic dyspnea-noncardiovascular origin. J Am Coll Radiol. 2018; 15(11S):S291-S301.	ACR. Ravenel JG, Chung JH, Ackman JB, de Groot PM, Johnson GB, Jokerst C, Maldonado F, McComb BL, Steiner RM, Mohammed TL. ACR Appropriateness Criteria® imaging of possible tuberculosis. J Am Coll Radiol. 2017; 14(5S):S160-S165.
Total Score EXCLUDING overall assessment score		118.5	105.5	115.5	100	110.5	107.5	96
Scaled Total Score Excluding overall assessment score		69%	60%	67%	55%	63%	61%	53%
Overall Assessment	Would you recommend this guideline for use in practice?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overall Assessment Score	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: The overall assessment score is not included in the total score	5.5	4.5	5	4.5	5	4.5	4
Scope and Purpose	Domain Score	20	13	16	14.5	16	15	14.5
	Scaled Domain Score Percentage	94%	56%	72%	64%	72%	67%	64%
Stakeholder Involvement	Domain Score	19	12.5	17	13.5	12.5	13.5	11.5
	Scaled Domain Score Percentage	89%	53%	78%	58%	53%	58%	47%
Rigor of Development	Domain Score	45	42	39.5	36.5	42.5	40	38.5
	Scaled Domain Score Percentage	77%	71%	66%	59%	72%	67%	64%
Clarity and Presentation	Domain Score	19.5	16.5	16	16.5	18	16.5	17
	Scaled Domain Score Percentage	92%	75%	72%	75%	83%	75%	78%
Applicability	Domain Score	5.5	12.5	20	12.5	12.5	16	7.5
	Scaled Domain Score Percentage	6%	33%	67%	33%	33%	50%	15%
Editorial Independence	Domain Score	9.5	9.5	7	6.5	9.5	6.5	7
	Scaled Domain Score Percentage	62%	63%	42%	38%	63%	38%	42%

*Mean guidelines scores across domains of the AGREE II instrument. Each question was rated on a Likert scale with a maximum of 7 points. The scores are averaged for each of the 2 reviewers. The scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)

Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument

AGREE II Domain	AGREE II Domain Topics	ATS/ERS/JRS/ALAT. Raghu G, Remy-Jardin M, Myers JL, et al; American Thoracic Society, European Respiratory Society, Japanese Respiratory Society, and the Latin American Thoracic Society. Diagnosis of idiopathic pulmonary fibrosis. An official ATS/ERS/JRS/ALAT clinical practice guideline. Am J Respir Crit Care Med. 2018; 198(5):e44-e68.	BTS. Hill AT, Sullivan AL, Chalmers JD, et al. British Thoracic Society guideline for bronchiectasis in adults. Thorax. 2019; 74(Suppl 1):1-69.	ACR. Kuzniwski CT, Kizhner O, Donnelly EF, et al. ACR Appropriateness Criteria® chronic cough. 2021.	CTS. Johansson KA, Kolb M, Fell CD, et al. Evaluation of patients with fibrotic interstitial lung disease: A Canadian Thoracic Society position statement. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine. 2017; 1(3):133-141.	ERS/ATS. Chung KF, Wenzel SE, Brozek JL, et al. International ERS/ATS guidelines on definition, evaluation and treatment of severe asthma. Eur Respir J. 2014; 43(2):343-373.	ESCMID-ECMM-ERS. Ullmann AJ, Aguado JM, Arikan-Akdagli S, et al. Diagnosis and management of Aspergillus diseases: Executive summary of the 2017 ESCMID-ECMM-ERS guideline. Clin Microbiol Infect. 2018; 24 Suppl 1:e1-e38.	ICS/NCCP. Gupta D, Agarwal R, Aggarwal AN, et al. for the COPD Guidelines Working Group. Guidelines for diagnosis and management of chronic obstructive pulmonary disease: Joint ICS/NCCP (I) recommendations. Lung India. 2013; 30(3):228-267.
Total Score EXCLUDING overall assessment score		112.5	143	111.5	103.5	120	100.5	105
Scaled Total Score Excluding overall assessment score		65%	87%	64%	58%	70%	56%	59%
Overall Assessment	Would you recommend this guideline for use in practice?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overall Assessment Score	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: The overall assessment score is not included in the total score	5	6	5	4	5	4	4.5
Scope and Purpose	Domain Score	16.5	19.5	15.5	16	18	11	17.5
	Scaled Domain Score Percentage	75%	92%	69%	72%	83%	44%	81%
Stakeholder Involvement	Domain Score	15	18	12.5	17.5	18.5	12	14.5
	Scaled Domain Score Percentage	67%	83%	53%	81%	86%	50%	64%
Rigor of Development	Domain Score	41.5	47	42.5	28	40	32.5	33
	Scaled Domain Score Percentage	70%	81%	72%	42%	67%	51%	53%
Clarity and Presentation	Domain Score	19	20	19.5	17.5	17	20	18
	Scaled Domain Score Percentage	89%	94%	92%	80%	78%	94%	83%
Applicability	Domain Score	13.5	23.5	12	13	17.5	12.5	14.5
	Scaled Domain Score Percentage	40%	81%	33%	38%	56%	35%	44%
Editorial Independence	Domain Score	14	13.5	9.5	11.5	9	12.5	7.5
	Scaled Domain Score Percentage	42%	96%	63%	79%	58%	88%	46%

*Mean guidelines scores across domains of the AGREE II instrument. Each question was rated on a Likert scale with a maximum of 7 points. The scores are averaged for each of the 2 reviewers. The scaled domain score is calculated as follows: (obtained score – minimum possible score) ÷ (maximum possible score – minimum possible score)

Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument

AGREE II Domain	AGREE II Domain Topics	ICS/NCCP. Gupta D, Agarwal R, Aggarwal AN, et al. for the Pneumonia Guidelines Working Group. Guidelines for diagnosis and management of community- and hospital-acquired pneumonia in adults: Joint ICS/NCCP (I) recommendations. Lung India. 2012; 29(Suppl 2):S27-S62.	IDSa. Patterson TF, Thompson GR, Denning DW, et al. Practice guidelines for the diagnosis and management of aspergillosis: 2016 update by the Infectious Diseases Society of America. Clin Infect Dis. 2016; 63(4):e1-e60.	NICE. National Institute for Health and Care Excellence. Chronic obstructive pulmonary disease in over 16s: Diagnosis and management. NICE guideline [NG115]. 2018.	NICE. National Institute for Health and Care Excellence. Diagnosis and management of suspected idiopathic pulmonary fibrosis: Idiopathic pulmonary fibrosis. NICE guideline [NG163]. 2013.	NICE. National Institute for Health and Care Excellence. Tuberculosis: Prevention, diagnosis, management and service organization. NICE guideline [NG33]. 2016.	TSA. Chang AB, Bell SC, Torzillo PJ, et al. Chronic suppurative lung disease and bronchiectasis in children and adults in Australia and New Zealand Thoracic Society of Australia and New Zealand guidelines. Med J Aust. 2015; 202(3):130.
Total Score EXCLUDING overall assessment score		103.5	103.5	156	157	156	104
Scaled Total Score Excluding overall assessment score		58%	58%	96%	97%	96%	59%
Overall Assessment	Would you recommend this guideline for use in practice?	Yes	Yes	Yes	Yes	Yes	Yes
Overall Assessment Score	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: The overall assessment score is not included in the total score	4.5	4.5	6.5	7	6.5	4.5
Scope and Purpose	Domain Score	16.5	18.5	20.5	20.5	20.5	18.5
	Scaled Domain Score Percentage	75%	86%	97%	97%	97%	86%
Stakeholder Involvement	Domain Score	14	12	19	20.5	20	12.5
	Scaled Domain Score Percentage	61%	50%	94%	97%	92%	53%
Rigor of Development	Domain Score	33.5	32.5	53.5	54.5	55	36.5
	Scaled Domain Score Percentage	53%	51%	95%	97%	98%	60%
Clarity and Presentation	Domain Score	18.5	20	20.5	20.5	20.5	18.5
	Scaled Domain Score Percentage	86%	94%	97%	97%	97%	86%
Applicability	Domain Score	14	9	27.5	27	27	8.5
	Scaled Domain Score Percentage	42%	21%	98%	96%	96%	15%
Editorial Independence	Domain Score	7	11.5	14	14	13.5	9.5
	Scaled Domain Score Percentage	42%	79%	100%	100%	96%	63%

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Mean Guideline Scores and Scaled Scores across Domains of the AGREE II Instrument

AGREE II Domain	AGREE II Domain Topics	ACR. Lee C, Colletti PM, Chung JH, et al. ACR Appropriateness Criteria® acute respiratory illness in immunocompromised patients. J Am Coll Radiol. 2019; 16(11S):S331-S339.	ERS. Morice AH, Millqvist E, Bielsiene K, et al. ERS guidelines on the diagnosis and treatment of chronic cough in adults and children. Eur Respir J. 2020; 55(1):1901136.	ACR. Olsen KM, Manouchehr-Pour S, Donnelly EF, et al. ACR Appropriateness Criteria® hemoptysis. J Am Coll Radiol. 2020; 17(5S):S148-S159.	Fleischner Society. Rubin GD, Ryerson CJ, Haramati LB, et al. The role of chest imaging in patient management during the COVID-19 pandemic: A multinational consensus statement from the Fleischner Society. Chest. 2020; 158(1):106-116.	WHO. Use of chest imaging in COVID-19: A rapid advice guide. World Health Organization; 2020.
Total Score EXCLUDING overall assessment score		111.5	125	109	90.5	126
Scaled Total Score Excluding overall assessment score		64%	74%	62%	49%	75%
Overall Assessment	Would you recommend this guideline for use in practice?	Yes	Yes	Yes	Yes	Yes
Overall Assessment Score	Rate the overall quality of the guideline (Scale of 1 to 7) NOTE: The overall assessment score is not included in the total score	5	5.5	4.5	4	5.5
Scope and Purpose	Domain Score	16.5	19.5	15	15.5	17
	Scaled Domain Score Percentage	75%	92%	67%	69%	78%
Stakeholder Involvement	Domain Score	12.5	19	12.5	11	16.5
	Scaled Domain Score Percentage	53%	89%	53%	44%	75%
Rigor of Development	Domain Score	42.5	44.5	42.5	25	44.5
	Scaled Domain Score Percentage	72%	76%	72%	35%	76%
Clarity and Presentation	Domain Score	18.5	18.5	17.5	15	18
	Scaled Domain Score Percentage	86%	86%	81%	67%	83%
Applicability	Domain Score	12	12	12	16	18
	Scaled Domain Score Percentage	33%	33%	33%	50%	58%
Editorial Independence	Domain Score	9.5	11.5	9.5	8	12
	Scaled Domain Score Percentage	63%	79%	63%	50%	83%

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