

Prosedyrens tittel eller arbeidstitel	ESAS – Edmonton Symptom Assessment System
Spørsmål fra PICO-skjema	Bruk av ESAS i palliasjon
Kontakt detaljer prosedyremakere	Ellen Bjerkeset, uxelbj@ous-hf.no
Bibliotekar som utførte eller veiledet søket	Marie Isachsen
Dato for søk	14. mai 2021 Oppdatering av søk fra 7. november 2017

På nettsidene til OUS:

Edmonton Symptom Assessment System (ESAS) - Symptomkartlegging - Oslo universitetssykehus. Sist oppdatert 04.12.2020
<https://oslo-universitetssykehus.no/avdelinger/kreftklinikken/avdeling-for-kreftbehandling/seksjon-for-lindrende-behandling/regional-kompetansetjeneste-for-lindrende-behandling-klb-helse-sor-ost/edmonton-symptom-assessment-system-esas>

Database/kilde	Fagprosedyrer som er lokalt utviklet og godkjent i de enkelte helseforetak (på nettsiden til Helsebiblioteket)
Søkehistorie eller fremgangsmåte	Sett gjennom alle
Treff	Til denne prosedyren: eHåndbok - ESAS - Edmonton Symptom Assessment System (ous-hf.no)

Database/kilde	Nasjonale retningslinjer fra Helsedirektoratet
Søkehistorie eller fremgangsmåte	Edmonton Esas + lest gjennom retningslinjer om palliasjon
Treff	Fysioterapi ved kreft - Helsedirektoratet Først publisert: 08.03.2019 Nasjonalt handlingsprogram med retningslinjer for palliasjon i kreftomsorgen - 2015

	<p>https://helsedirektoratet.no/retningslinjer/nasjonalt-handlingsprogram-med-retningslinjer-for-palliasjon-i-kreftomsorgen</p> <p>Esas omtalt på side 13,22,95,109.</p> <p>Esas også omtalt i kapitlet Palliasjon i denne:</p> <p>Nasjonalt handlingsprogram med retningslinjer for diagnostikk, behandling og oppfølging av lungekreft, mesoteliom og thymom - 2021</p> <p>https://www.helsebiblioteket.no/retningslinjer/lungekreft/forord</p>
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Database/kilde	Helsebibliotekets retningslinjebase
Søkehistorie eller fremgangsmåte	Edmonton Esas
Treff	Ingen relevante

Database/kilde	Folkehelseinstituttet - rapporter og trykksaker
Søkehistorie eller fremgangsmåte	Edmonton Esas
Treff	Ingen relevante

Database/kilde	NICE Guidance (UK)
Søkehistorie eller fremgangsmåte	Edmonton Esas + lest gjennom retningslinjer om palliasjon
Treff	Ingen relevante

Database/kilde	Socialstyrelsen (Sve) - Nationella riktlinjer
Søkehistorie eller fremgangsmåte	Sett gjennom liste
Treff	<p>Nationellt kunskapsstöd för god palliativ vård i livets slutskede - 2013</p> <p>https://www.socialstyrelsen.se/globalassets/sharepoint-dokument/artikelkatalog/kunskapsstod/2013-6-4.pdf</p> <p>ESAS nevnt på side 46.</p>

Database/kilde	Sundhedsstyrelsen - Nationale Kliniske Retningslinjer – udgivelser (DK)
Søkehistorie eller fremgangsmåte	Sett gjennom listen Palliation
Treff	Ingen relevante

Database/kilde	Center for kliniske retningslinjer (DK)
Søkehistorie eller fremgangsmåte	Sett gjennom alle retningslinjer som omhandler palliasjon, uhelbredelig sykdom.
Treff	<p>To dokumenter omtaler esas:</p> <p>Farmakologiske intervensjoner til lindring af refraktær dyspnø hos voksne kræftpatienter i sen eller terminal palliativ fase - 2019 https://cfkr.dk/retningslinjer/godkendte-retningslinjer/aktivitet/farmakologiske-intervensjoner-til-lindring-af-refraktaer-dyspnoe-hos-voksne-kræftpatienter-i-sen-eller-terminal-palliativ-fase-d16/</p> <p>Klinisk retningslinje for screening for depression hos kræftpatienter i spesialisert palliativ indsats - 2017 https://cfkr.dk/retningslinjer/godkendte-retningslinjer/psykosociale-forhold/klinisk-retningslinje-for-screening-for-depression-hos-kræftpatienter-i-spesialiseret-palliativ-indsats/</p>

Database/ressurs:	Nursing Reference Center
Søkehistorie:	Advanced Search > Search in ALL Text: (edmonton AND symptom AND assessment) OR esas
Treff:	Ingen relevante

Database/kilde	UpToDate krever personlig bruker
Søkehistorie eller fremgangsmåte	Edmonton Esas
Treff	Approach to symptom assessment in palliative care UpToDate. Waltham, MA https://www.uptodate.com/contents/2196

	<p>Overview of managing common non-pain symptoms in palliative care UpToDate. Waltham, MA https://www.uptodate.com/contents/2199</p> <p>Overview of comprehensive patient assessment in palliative care UpToDate. Waltham, MA https://www.uptodate.com/contents/2197</p> <p>Assessment and management of anorexia and cachexia in palliative care UpToDate. Waltham, MA https://www.uptodate.com/contents/83234</p> <p>Overview of fatigue, weakness, and asthenia in palliative care UpToDate. Waltham, MA https://www.uptodate.com/contents/14239</p>
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Database/kilde	BMJ Best Practice
Søkehistorie eller fremgangsmåte	Edmonton Esas
Treff	<p>Palliative care BMJ Best Practice http://bestpractice.bmj.com/best-practice/monograph/1020.html</p> <p>Esas bl. a. omtalt under Details > Comprehensive palliative care assessment</p>

Database/kilde	The Cochrane Library (delbasen Cochrane Reviews)
Søkehistorie og treff	<p>((edmonton AND symptom) OR esas): in title, abstract, keywords</p> <p>Ingen relevante</p>

Database/ressurs:	PubMed
Søkehistorie og treff	<p>Utvidet søket fra 2017:</p> <p>Kombinert disse to søkene med OR:</p> <p>1.</p>

("edmonton symptom assessment scale"[Title] OR "edmonton symptom assessment system"[Title])

2.

("edmonton symptom assessment scale"[Title/abstract] OR "edmonton symptom assessment system"[Title/abstract]) AND ("Reproducibility of Results"[Mesh] OR "Validation Studies as Topic"[Mesh] OR "Sensitivity and Specificity"[Mesh] OR "Surveys and Questionnaires"[Mesh] OR "Psychometrics"[Mesh] OR valid*[ti] OR reliab*[ti] OR feasibil*[ti] OR development*[ti] OR usabil*[ti] OR util*[ti] OR psychometric*[ti] OR reprod*[ti] OR applicab*[ti] OR accuracy[ti])

De to søkene slått sammen og avgrenset til språk og siste 4 år:

("edmonton symptom assessment scale"[Title] OR "edmonton symptom assessment system"[Title]) OR ("edmonton symptom assessment scale"[Title/abstract] OR "edmonton symptom assessment system"[Title/abstract]) AND ("Reproducibility of Results"[Mesh] OR "Validation Studies as Topic"[Mesh] OR "Sensitivity and Specificity"[Mesh] OR "Surveys and Questionnaires"[Mesh] OR "Psychometrics"[Mesh] OR valid*[ti] OR reliab*[ti] OR feasibil*[ti] OR development*[ti] OR usabil*[ti] OR util*[ti] OR psychometric*[ti] OR reprod*[ti] OR applicab*[ti] OR accuracy[ti]) AND "last 4 years"[Pdat] AND (Danish[lang] OR English[lang] OR Norwegian[lang] OR Swedish[lang])

Gjenfinner 179 artikler pr. 12 mai, blant annet disse:

[42 artikler](#)

Hvis dere vil se alle 179, kan dere kopiere og lime inn søkestrategien inn i søkeboksen til PubMed <https://pubmed.ncbi.nlm.nih.gov/?otool=inouolib>

For lettere gjennomgang av artiklene: under søkeboksen, «Sorted by» - velg gjerne «Most Recent» i stedet for Best Match, velg samme sted 200 «per page» i stedet for 10.

De 42 artiklene som det lenkes til over, kan også leses her: (ligger ikke nødvendigvis i samme rekkefølge):

1. Wong A, Tayjasanant S, Rodriguez-Nunez A, Park M, Liu D, Zapata KP, et al. Edmonton Symptom Assessment Scale Time Duration of Self-Completion Versus Assisted Completion in Patients with Advanced Cancer: A Randomized Comparison. *Oncologist*. 2021;26(2):165-71.
2. Milton L, Behroozian T, Coburn N, Trudeau M, Razvi Y, McKenzie E, et al. Prediction of breast cancer-related outcomes with the Edmonton Symptom Assessment Scale: A literature review. *Support Care Cancer*. 2021;29(2):595-603.
3. Bubis LD, Delibasic V, Davis LE, Jeong Y, Chan K, Kosyachkova E, et al. Patient-reported symptoms in metastatic gastric cancer patients in the last 6 months of life. *Support Care Cancer*. 2021;29(1):515-24.

4. Bubis LD, Coburn NG, Sutradhar R, Gupta V, Jeong Y, Davis LE, et al. Association Between Preoperative Patient-Reported Symptoms and Postoperative Outcomes in Rectal Cancer Patients: A Retrospective Cohort Study. *J Surg Res.* 2021;259:86-96.
5. Batra A, Yang L, Boyne DJ, Harper A, Cheung WY, Cuthbert CA. Associations between baseline symptom burden as assessed by patient-reported outcomes and overall survival of patients with metastatic cancer. *Support Care Cancer.* 2021;29(3):1423-31.
6. Watson L, Qi S, Delure A, Photitai E, Chmielewski L, Smith L. Validating a Patient-Reported Outcomes-Derived Algorithm for Classifying Symptom Complexity Levels Among Patients With Cancer. *J Natl Compr Canc Netw.* 2020;18(11):1518-25.
7. Vámosi M, Lauberg A, Borregaard B, Christensen AV, Thrysoe L, Rasmussen TB, et al. Patient-reported outcomes predict high readmission rates among patients with cardiac diagnoses. Findings from the DenHeart study. *Int J Cardiol.* 2020;300:268-75.
8. Tagami K, Kawaguchi T, Miura T, Yamaguchi T, Matsumoto Y, Watanabe YS, et al. The association between health-related quality of life and achievement of personalized symptom goal. *Support Care Cancer.* 2020;28(10):4737-43.
9. Schick-Makaroff K, Sawatzky R. Divergent Perspectives on the Use of the Edmonton Symptom Assessment System (Revised) in Palliative Care. *J Hosp Palliat Nurs.* 2020;22(1):75-81.
10. McKenzie E, Zhang L, Chan S, Zaki P, Razvi Y, Tsao M, et al. Symptom correlates of dyspnea in advanced cancer patients using the Edmonton Symptom Assessment System. *Support Care Cancer.* 2020;28(1):87-98.
11. Lee G, Kim HS, Lee SW, Park YR, Kim EH, Lee B, et al. Pre-screening of patient-reported symptoms using the Edmonton Symptom Assessment System in outpatient palliative cancer care. *Eur J Cancer Care (Engl).* 2020;29(6):e13305.
12. Johnstone PAS, Alla R, Yu HM, Portman D, Cheng H, Mitchell R, et al. Patient-reported outcomes: using ESAS to screen for anemia. *Support Care Cancer.* 2020;28(9):4141-5.
13. Goyal UD, Riegert K, Davuluri R, Ong S, Yi SK, Dougherty ST, et al. Prospective Study of Use of Edmonton Symptom Assessment Scale Versus Routine Symptom Management During Weekly Radiation Treatment Visits. *JCO Oncol Pract.* 2020;16(9):e1029-e35.
14. Dano S, Pokarowski M, Liao B, Tang E, Ekundayo O, Li V, et al. Evaluating symptom burden in kidney transplant recipients: validation of the revised Edmonton Symptom Assessment System for kidney transplant recipients - a single-center, cross-sectional study. *Transpl Int.* 2020;33(4):423-36.

15. Bubis LD, Davis LE, Canaj H, Gupta V, Jeong Y, Barbera L, et al. Patient-Reported Symptom Severity Among 22,650 Cancer Outpatients in the Last Six Months of Life. *J Pain Symptom Manage.* 2020;59(1):58-66.e4.
16. Brooks JV, Poague C, Formagini T, Sinclair CT, Nelson-Brantley HV. The Role of a Symptom Assessment Tool in Shaping Patient-Physician Communication in Palliative Care. *J Pain Symptom Manage.* 2020;59(1):30-8.
17. Battaglia Y, Zerbinati L, Piazza G, Martino E, Provenzano M, Esposito P, et al. Screening Performance of Edmonton Symptom Assessment System in Kidney Transplant Recipients. *J Clin Med.* 2020;9(4).
18. Barbera L, Sutradhar R, Seow H, Mittmann N, Howell D, Earle CC, et al. The impact of routine Edmonton Symptom Assessment System (ESAS) use on overall survival in cancer patients: Results of a population-based retrospective matched cohort analysis. *Cancer Med.* 2020;9(19):7107-15.
19. Barbera L, Sutradhar R, Seow H, Earle CC, Howell D, Mittmann N, et al. Impact of Standardized Edmonton Symptom Assessment System Use on Emergency Department Visits and Hospitalization: Results of a Population-Based Retrospective Matched Cohort Analysis. *JCO Oncol Pract.* 2020;16(9):e958-e65.
20. Barbera L, Sutradhar R, Earle CC, Howell D, Mittman N, Li Q, et al. The impact of routine Edmonton symptom assessment system use on receiving palliative care services: results of a population-based retrospective-matched cohort analysis. *BMJ Support Palliat Care.* 2020.
21. Tricou C, Ruer M, Nikolaichuk C, Sigurdardottir K, Perceau-Chambard E, Bruera E, et al. Transcultural Validation of the French Version of the Modified Edmonton Symptom Assessment Scale: The ESAS12-F. *J Palliat Med.* 2019;22(12):1553-60.
22. Sutradhar R, Rostami M, Barbera L. Patient-Reported Symptoms Improve Performance of Risk Prediction Models for Emergency Department Visits Among Patients With Cancer: A Population-Wide Study in Ontario Using Administrative Data. *J Pain Symptom Manage.* 2019;58(5):745-55.
23. Savard J, Ivers H. Screening for clinical insomnia in cancer patients with the Edmonton Symptom Assessment System-Revised: a specific sleep item is needed. *Support Care Cancer.* 2019;27(10):3777-83.
24. Mercadante S, Adile C, Ferrera P, Cortegiani A, Casuccio A. Symptom hyper-expression in advanced cancer patients with anxiety and depression admitted to an acute supportive/palliative care unit. *Support Care Cancer.* 2019;27(8):3081-8.
25. Li B, Mah K, Swami N, Pope A, Hannon B, Lo C, et al. Symptom Assessment in Patients with Advanced Cancer: Are the Most Severe Symptoms the Most Bothersome? *J Palliat Med.* 2019;22(10):1252-9.
26. Johnson PC, Xiao Y, Wong RL, D'Arpino S, Moran SMC, Lage DE, et al.

Potentially Avoidable Hospital Readmissions in Patients With Advanced Cancer. *J Oncol Pract.* 2019;15(5):e420-e7.

27. Diplock BD, McGarragle KMC, Mueller WA, Haddad S, Ehrlich R, Yoon DA, et al. The impact of automated screening with Edmonton Symptom Assessment System (ESAS) on health-related quality of life, supportive care needs, and patient satisfaction with care in 268 ambulatory cancer patients. *Support Care Cancer.* 2019;27(1):209-18.

28. Chow S, Wan BA, Pidduck W, Zhang L, DeAngelis C, Chan S, et al. Symptoms Predictive of Overall Quality of Life Using the Edmonton Symptom Assessment Scale in Breast Cancer Patients Receiving Radiotherapy. *Clin Breast Cancer.* 2019;19(6):405-10.

29. Barbera L, Moody L. A Decade in Review: Cancer Care Ontario's Approach to Symptom Assessment and Management. *Med Care.* 2019;57 Suppl 5 Suppl 1:S80-s4.

30. Yogananda MN, Muthu V, Prasad KT, Kohli A, Behera D, Singh N. Utility of the revised Edmonton Symptom Assessment System (ESAS-r) and the Patient-Reported Functional Status (PRFS) in lung cancer patients. *Support Care Cancer.* 2018;26(3):767-75.

31. Wadhwa D, Popovic G, Pope A, Swami N, Le LW, Zimmermann C. Factors Associated with Early Referral to Palliative Care in Outpatients with Advanced Cancer. *J Palliat Med.* 2018;21(9):1322-8.

32. Tran K, Zomer S, Chadder J, Earle C, Fung S, Liu J, et al. Measuring patient-reported outcomes to improve cancer care in Canada: an analysis of provincial survey data. *Curr Oncol.* 2018;25(2):176-9.

33. Tanco K, Vidal M, Arthur J, Delgado Guay M, Hui D, Liu D, et al. Testing the feasibility of using the Edmonton Symptom Assessment System (ESAS) to assess caregiver symptom burden. *Palliat Support Care.* 2018;16(1):14-22.

34. Sprague E, Siegert RJ, Medvedev O, Roberts MH. Rasch Analysis of the Edmonton Symptom Assessment System. *J Pain Symptom Manage.* 2018;55(5):1356-63.

35. Rotter B, Grant M. Symptom Assessment and Hospital Utilization in a Home-Based Palliative Care Program. *J Hosp Palliat Nurs.* 2018;20(4):332-7.

36. Nieder C, Kämpe TA. Frequency and Prognostic Impact of Consistently Low Edmonton Symptom Assessment System Score in the Patients Treated with Palliative Radiotherapy. *Cureus.* 2018;10(1):e2032.

37. McGee SF, Zhang T, Jonker H, Laurie SA, Goss G, Nicholas G, et al. The Impact of Baseline Edmonton Symptom Assessment Scale Scores on Treatment and Survival in Patients With Advanced Non-small-cell Lung Cancer. *Clin Lung Cancer.* 2018;19(1):e91-e9.

	<p>38. Lage DE, Nipp RD, D'Arpino SM, Moran SM, Johnson PC, Wong RL, et al. Predictors of Posthospital Transitions of Care in Patients With Advanced Cancer. <i>J Clin Oncol</i>. 2018;36(1):76-82.</p> <p>39. Kako J, Kobayashi M, Kanno Y, Ogawa A, Miura T, Matsumoto Y. The Optimal Cutoff Point for Expressing Revised Edmonton Symptom Assessment System Scores as Binary Data Indicating the Presence or Absence of Symptoms. <i>Am J Hosp Palliat Care</i>. 2018;35(11):1390-3.</p> <p>40. Graham J, Gingerich J, Lambert P, Alamri A, Czaykowski P. Baseline Edmonton Symptom Assessment System and survival in metastatic renal cell carcinoma. <i>Curr Oncol</i>. 2018;25(4):e319-e23.</p> <p>41. Girgis A, Durcinoska I, Koh ES, Ng W, Arnold A, Delaney GP. Development of Health Pathways to Standardize Cancer Care Pathways Informed by Patient-Reported Outcomes and Clinical Practice Guidelines. <i>JCO Clin Cancer Inform</i>. 2018;2:1-13.</p> <p>42. Grotmol KS, Lie HC, Hjermsstad MJ, Aass N, Currow D, Kaasa S, et al. Depression-A Major Contributor to Poor Quality of Life in Patients With Advanced Cancer. <i>J Pain Symptom Manage</i>. 2017;54(6):889-97.</p> <p>Søket fra 2017:</p> <p>Plukket ut 37 artikler:</p> <p>Display 37 articles in PubMed</p>
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Database/ressurs:	<p>SveMed+</p> <p>OBS:</p> <p>Från och med januari 2020 uppdaterar Karolinska Institutet Universitetsbiblioteket inte längre SveMed+ med nytt material https://svemedplus.kib.ki.se/UpdateStatus.aspx</p> <p>Vurder derfor å søke aktuelle tidsskrifter på deres nettsider i tillegg.</p>
Søkehistorie:	<p>1."edmonton symptom assessment scale"</p> <p>2."edmonton symptom assessment system"</p> <p>3.esas)</p> <p>4. 1 OR 2 OR 3</p>
Treff:	<p>Sykepleieres erfaringer med å bruke ESAS til å kartlegge symptomer hos kreftpasienter</p>

	<p>Ihler, Elise Marie; Sæteren, Berit Sykepleien Forskning 2019;14(79585):(e-79585) https://sykepleien.no/forskning/2019/11/sykepleieres-erfaringer-med-bruke-esas-til-kartlegge-symptomer-hos-kreftpasienter</p> <p>Kan smertekartlegging ved bruk av ESAS (Edmonton Symptom Assessment Scale) bidra til å lindre smerte hos eldre på sykehjem? Gran, Siv Venke; Landmark, Björg Th Nordisk Tidsskrift for Helseforskning 2012;8(1)24-46 http://septentrio.uit.no/index.php/helseforsk/article/view/2330</p> <p>Sykepleieres bruk av Edmonton Symptom Assessment Scale (ESAS) Myhra, Cecilie Bakke; Grov, Ellen Karine Sykepleien Forskning 2010;5(3)210-9 https://sykepleien.no/forskning/2010/10/sykepleieres-bruk-av-edmonton-symptom-assessment-scale-esas</p> <p>Dansk version af ESAS - symptomregistrering Boel K; Haaber K; Byskov L Omsorg 2009;26(1)41-6</p>
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Bokkapittel:

Hannon, Breffni. The Edmonton Symptom Assessment System. I: 50 Studies Every Palliative Care Doctor Should Know. Oxford University Press; 2018.

<https://oxfordmedicine-com.ezproxy.uio.no/view/10.1093/med/9780190658618.001.0001/med-9780190658618-chapter-9#med-9780190658618-chapter-9-div1-136>