Anja Gouliaev Phd-studerende, MD







Anja Gouliaev

PhD-studerende, MD Lungesygdomme og Allergi, Aarhus Universitetshospital

Vejledere:

Torben Riis Rasmussen Niels Lyhne Christensen

COI

- AstraZeneca
- GSK





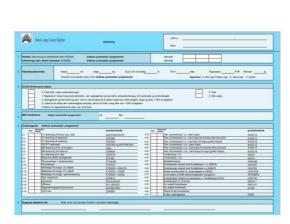


Landspatient -registret



Dansk Lunge Cancer Register

Landsregistret for Patologi



International accepteret vurdering af registre*

- 1) Comparability
- 2) Timeliness
- 3) Completeness
- 4) Validity

Original Article

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Agreement between the Danish Cancer Registry and the Danish Lung Cancer Registry

Jane Christensen¹, Anne Mette Tranberg Kejs², Lise Kristine Højsgaard Schmidt³, Jes Søgaard², Margit Caroline Rasted³, Ole Andersen¹ & Erik Jakobsen⁴

1) Danish Cancer Society Research Center, Danish Cancer Society, 2) Documentation and Quality, Danish Cancer Society, 3) Data Quality and Documentation, Danish Health Data Authority, 4) Department of Thoracic Surgery, Odense University Hospital, Denmark

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The Danish lung cancer registry: A nationwide validation study

Anja Gouliaev ^{a,b,*}, Fatima Ali ^c, Erik Jakobsen ^d, Susanne O. Dalton ^{e,f}, Ole Hilberg ^{g,h}, Torben R. Rasmussen ^{a,b}, Niels L. Christensen ^{a,b}

- ^a Department of Respiratory Diseases and Allergy, Aarhus University Hospital, Aarhus N, Denmark
- b Department of Clinical Medicine, Aarhus University, Aarhus N, Denmark
- ^c Department of Respiratory Diseases, Aalborg University Hospital, Aalborg, Denmark
- d Department of Thorasic Surgery, Odense University Hospital, Odense, Denmark
- ^e Survivorship & Inequality in Cancer, Danish Cancer Society Research Center, Copenhagen, Denmark
- f Danish Research Center for Equality in Cancer (COMPAS), Department for Clinical Oncology & Palliative Care, Zealand University Hospital, Næstved, Denmark
- 8 Department of Medicine, Lillebaelt Hospital, Vejle, Denmark

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ABSTRACT

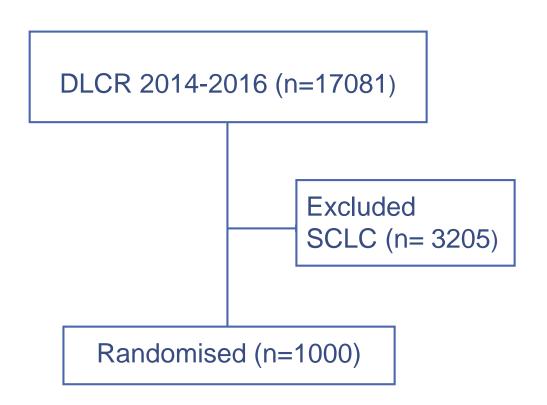
Background: This study evaluates the validity of the information in the Danish Lung Cancer Registry (DLCR). Since 2000, the DLCR has been a tool for monitoring interventions and outcome of all Danish lung cancer patients with the intent to streamline and improve treatment and survival. The DLCR receives information from the Danish Patient Registries in addition to clinical information from the treating physicians. In the year 2022, more than 50 papers have been published using DLCR as a data source. However, the DLCR has not previously been validated.

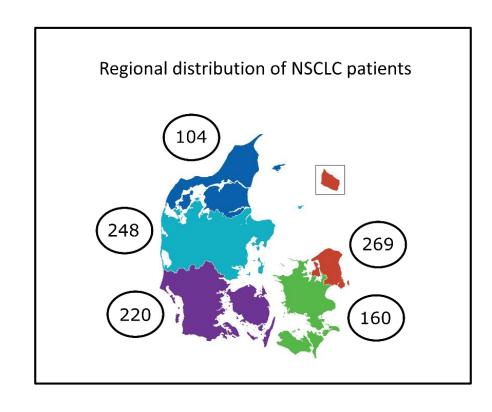
Methods: A random sample of 1000 patients diagnosed with non-small cell lung cancer from 2014 to 2016 and recorded in the DLCR were included for validation. Medical records were reviewed and were considered as the "gold standard" to which data listed in the DLCR were compared.

Results: Information was retrieved from medical charts for all patients. Agreement on stage at diagnosis was 90.1 % (95 % CI 88.0–91.9) and on date of diagnoses was 93.8 (95 % CI 92.1–93.2). Agreement on smoking status in pack years (+/- 10 pack years) was 91.2 % (95 % CI 88.6–93.2). The positive predictive value of treatment intent was 87.4 (95 % CI 85.1–89.6).

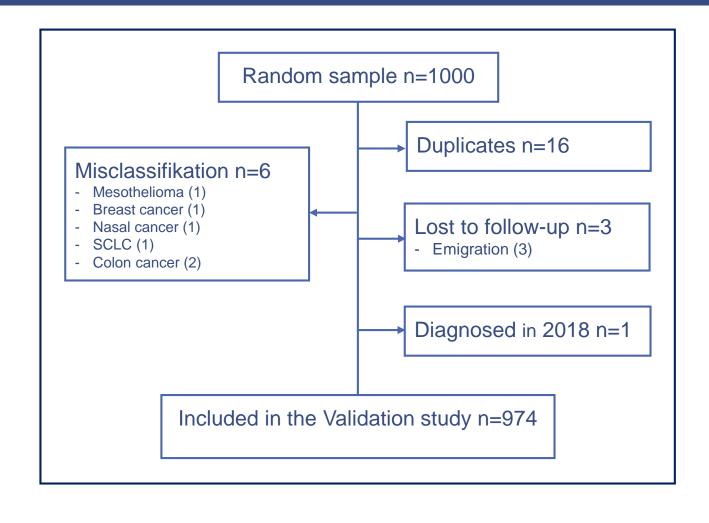
Conclusion: The data in the DLCR are complete, detailed and accurate. The comparison of data from the DLCR with the medical records revealed overall high validity of the data in the registry.

h Department of Regional Health Research, University of Southern Denmark, Odense, Denmark





RESULTATER



OVERENSSTEMMELSE MELLEM DLCR OG JOURNALER

Stadie



90%

95%CI 88.0-91.9

Diagnosetidspunkt



94%

95%CI 92.1-95.2

Pakkeår



91%

95% CI 88.6-93.2

Behandlingssigte



92%

95% CI 90.5-94.7

OVERENSSTEMMELSE MELLEM DLCR OG JOURNALER

ECOG Performance Status				
1	Fuld aktiv			
2	Kan ikke udføre tungt arbejde			
3	Oppe 50% af dagen, kan ikke arbejde			
4	Oppe mindre en 50%, brug for hjælp			
5	Død			



62%

95%CI 59.1-65.4

HVORNÅR ER ET REGISTER GODT NOK?



RESEARCH ARTICLE

The Danish National Lymphoma Registry: Coverage and Data Quality

Bente Arboe¹*, Tarec Christoffer El-Galaly², Michael Roost Clausen³, Peter Svenssen Munksgaard², Danny Stoltenberg⁴, Mette Kathrine Nygaard², Tobias Wirenfeldt Klausen⁴, Jacob Haaber Christensen⁵, Jette Sønderskov Gørløv¹, Peter de

Clinical Epidemiology

Dovepress open access to scientific and medical research

ORIGINAL RESEARCH

Open Access Full Text Article

Data quality in the Danish National Acute Leukemia Registry: a hematological data resource

> This article was published in the following Dove Press journal: Clinical Epidemiology 30 August 2013 Number of times this article has been viewed

Lene Sofie Granfeldt Østgård^{1,2}

Background: The Danish National Acute Leukemia Registry (DNLR) has documented coverage of above 98.5%. Less is known about the quality of the recorded data.

PPV af data i Dansk Lymphom database:

87-100 %

PPV af data i Dansk Akut Leukæmi Database:

89-100%



rkkp.dk

Støttet af: Kræftens Bekæmpelse

Aase og Ejnar Danielsens Fond

Dagmar Marshalls Fond

Dansk Forskningscenter for Lungekræft





Vejledere:

Torben Riis Rasmussen, Niels Lyhne Christensen









 $\begin{tabular}{ll} \textbf{Table 2} \\ \textbf{Completeness and agreement of data registered in the DLCR compared to} \\ \textbf{medical records. ECOG PS} = \textbf{Eastern Cooporative Oncology Group Performance} \\ \textbf{Status.} \\ \end{tabular}$

Variable	Definition	n (correct/ observations)	Agreement, % (95 % CI)
Date of	Date +/- 3 months	912/972	93.8
diagnosis			(92.1-95.2)
Stage at	I, II, III, IV, unknown	846/939	90.1
diagnosis			(88.0-91.9)
Health Region	Capital Region of	969/974	99.4
	Denmark, Central		(98.6–99.7)
	Denmark Region, North		
	Denmark Region,		
	Region Zealand, Region		
	of Southern Denmark		
ECOG PS	0,1,2,3,4, unknown	555/891	62.3
			(59.1–65.4)
Pack year	Correct +/- 10	540/592	91.2
			(88.6-93.2)
Treated with		325/352	92.3
curative intent			(89.0–94.7)
Treated with		382/417	91.6
chemotherapy			(88.5–93.9)
Treated with		323/406	79.6
radiation			(75.3-83.2)

Table 3Sensitivity, Specificity and Predictive Values for variables in the DLCR. ECOG PS = Eastern Cooporative Oncology Group Performance Status. FEV1 = forced expiratory volume in the first second. DLCO = diffusing capacity of the lungs for carbon monoxide. VAT = video-assisted thoracic surgery.

Variable	N	Sensitivity, % (95 % CI)	PPV, % (95 % CI)	Specificity, % (95 % CI)	NPV, % (95 % CI)
Stage I-IIIA/IIIB-V	939	97.3	94.1	90.5	95.6
		(96.2–98.3)	(92.5–95.6)	(88.6–92.4)	(94.3-96.9)
EGOC PS 0-1/2-4	848	78.7	74.8	91.7	93.2
		(75.9–81.6)	(71.7–77.8)	(89.8–93.6)	(91.5-95.0)
Alcohol use	144	45.0	47.4	93.1	92.5
(Surgical patients only)		(37.4–52.6)	(39.8–55.0)	(89.2–97.0)	(88.4–96.5)
FEV1 performed	644	100	100	100	100
DLCO performed	148	100	100	100	100
Curative intent (yes/no)	836	92.3	87.4	90.3	94.2
•		(90.5–94.1)	(85.1–89.6)	(88.3–92.3)	(92.6-95.8)
Chemo therapy (yes/no)	735	92.5	77.2	65.1	87.9
		(91.1–94.8)	(74.1–80.2)	(61.7–68.5)	(85.6-90.3)
Radiation (yes/no)	735	80.8	72.9	64.2	73.6
		(77.9–83.6)	(69.7–76.1)	(60.7–67.7)	(70.4–76.8)
Surgery (yes/no)	967	98.8	99.1	96.2	94.7
		(98.1–99.4)	(98.5–99.7)	(95.1–97.4)	(93.3-96.1)
Surgical approach	151	87.4	100	100	71.4
(VAT/thoracotomy)		(82.4–92.4)			(64.6–78.3)
Neo adjuvant treatment	135	98.4	78.3	20.5	81.8
		(96.6–100)	(72.1–84.4)	(14.4–26.5)	(76.1–87.6)
Surgical complications (yes/no)	178	75.7	47.2	80.7	93.6
		(69.5–82.1)	(39.8–54.5)	(74.9–86.5)	(90.0-97.2)