



Overview peer reviewed scientific publications of the Belgian Cancer Registry

2021

- 1) Cardoso R, Guo F, Heisser T, Hackl M, Ihle P, De Schutter H, Van Damme N, et al. **Divergent trends in colorectal cancer incidence, mortality, and stage distribution in European countries in the colorectal cancer screening era: an international population-based study.** 2021 *Lancet Oncol* [https://doi.org/10.1016/S1470-2045\(21\)00199-6](https://doi.org/10.1016/S1470-2045(21)00199-6)
- 2) Peacock HM, Tambuyzer T, Verdoodt F, Calay F, Poirel HA, De Schutter H, Francart J, Van Damme N, Van Eycken L. **Decline and incomplete recovery in cancer diagnoses during the COVID-19 pandemic in Belgium: a year-long, population-level analysis.** 2021 *ESMO Open* <https://doi.org/10.1016/j.esmooop.2021.100197>
- 3) Silversmit G., Verdoodt F., Van Damme N., De Schutter H., Van Eycken L. **Excess mortality in a nationwide cohort of cancer patients during the initial phase of the COVID 19 pandemic in Belgium.** 2021 *Cancer Epidemiology, Biomarkers & Prevention* <https://doi.org/10.1158/1055-9965.EPI-21-0230>
- 4) Izci H, Tambuyzer T, Vandeven J, Xicluna J, Wildiers H, Punie,K, Willers N, Oldenburger E, Van Nieuwenhuysen E, Berteloot P, Smeets A, Nevelsteen I, Deblander A, De Schutter H, Neven P, Silversmit* G, Freija Verdoodt* (*Equal contributions). **Cause of death discordance between death certificates and medical files.** 2021 *Archives of Public Health.* <https://doi.org/10.1186/s13690-021-00637-w>
- 5) Ribeiro S, De Maeyer F, De Man N, Carton S, Cuyle PJ, Veslype C, Borbath I, Demetter P, Van Damme N, Van Eycken L, Vandamme T, Hoorens A, Geboes K. **Lessons learned about appendiceal neuroendocrine neoplasms form data analysis of the Belgian Cancer Registry 2010-2015.** 2021 *Acta Gastro-Enterologica Belgica*; Vol. 84 <https://doi.org/10.51821/84.3.011>
- 6) Van Hemelrijck WMJ, Roskamp M, De Schutter H, Verdoodt F, Vanthomme K. **Cancer risk among individuals of migrant origin in Belgium during the 2000s – Evidence of migration as a ‘cancer risk transition’?** *Social Science & Medicine* 2021;269:113591 doi: 10.1016/j.socscimed.2020.113591 <https://doi.org/10.1016/j.socscimed.2020.113591>
- 7) Bahadoer RH, Bastiaannet E., Claassen Y.H.M, van der Mark M., van Eycken E., Verbeeck J., et al. **One year excess mortality and treatment in surgically treated patients with colorectal cancer : A EURECCA european comparison.** 2021 *European Journal of Surgical Oncology* doi: 10.1016/j.ejso.2021.01.011 <https://doi.org/10.1016/j.ejso.2021.01.011>
- 8) Katrien Vanthomme, Michael Roskamp, Harlinde De Schutter and Hadewijch Vandenneede **Lung cancer incidence differences in migrant men in Belgium, 2004-2013: histology-specific analyses.** *BMC cancer* 2021 doi: 10.1186/s12885-021-08038-6 <https://doi.org/10.1186/s12885-021-08038-6>



- 9) Ding L, Jidkova S., Greuter M.J.W, Van Herck K., Goossens M., De Schutter H., Martens P., Van Hal G., de Bock G.H. **The role of socio-demographic factors in the coverage of breast cancer screening: insights from a quantile regression analysis.** 2021 *Frontiers in Public Health, section Life-Course Epidemiology and Social Inequalities in Health* <https://doi.org/10.3389/fpubh.2021.648278>
- 10) Demoury C., Faes C., De Schutter H., Carbonelle S., Rosskamp M., Francart J., et al. **Childhood leukemia near nuclear sites in Belgium : an ecological study at small geographical level.** 2021 *Cancer epidemiology* 1;146(11):3034-3043. doi: 10.1016/j.canep.2021.101910 <https://doi.org/10.1016/j.canep.2021.101910>
- 11) Rosskamp M., Verbeeck J., Sylvie Gadeyne S., Verdoodt F. and De Schutter H. **Socio-Economic Position, Cancer Incidence and Stage at Diagnosis: A Nationwide Cohort Study in Belgium.** *Cancers* 2021, 13, 933 doi: 10.3390/cancers13050933 <https://doi.org/10.3390/cancers13050933>
- 12) Sacchetto L, Rosso S, Comber H, Bouchardy C, Broganelli P, Galceran J, Hackl M, Katalinic A, Louwman M, Robsahm TE, Tryggvadottir L, Tumino R, Van Eycken E., Walsh PM, Zadnik V, Zanetti R. **Skin melanoma deaths within 1 or 3 years from diagnosis in Europe.** *Int J Cancer.* 2021 Jan 26. doi: 10.1002/ijc.33479 <https://10.1002/ijc.33479>
- 13) Lalova T, Negrouk A., Dollé L, Bekaert S, Debucquoy A., Derèze JJ, Valcke P, Kindt EJ, Huys I **An Overview of Belgian Legislation Applicable to Biobank Research and Its Interplay with Data Protection Rules.** In: *Slokenberga S., Tzortzatou O., Reichel J. (eds) GDPR and Biobanking. Law, Governance and Technology Series*, 2021 vol 43. Springer, Cham. https://doi.org/10.1007/978-3-030-49388-2_10
- 14) Reyn, B., Van Eycken, E., Louwman, M., Henau, K., Schreuder, K., Brochez, L., Garmyn, M. and Kukutsch, N. **Incidence and survival of cutaneous melanoma in Belgium and the Netherlands from 2004 to 2016: striking differences and similarities of two neighbouring countries.** *J Eur Acad Dermatol Venereol.* 2021 : <https://doi.org/10.1111/jdv.17197>
- 15) George G., Garmo H., Scailteux L-M. , Balusson F., De Coster G., De Schutter H., Kuiper J.G., Oger E., Verbeeck J., Van Hemelrijck M. **Risk of cardiovascular disease following GnRH agonists versus antagonists in prostate cancer: Real-world evidence from five databases.** *Int. J. Cancer* 2020 148(9):2203-2211 doi.org/10.1002/ijc.33397 <https://doi.org/10.1002/ijc.33397>
- 16) Verleye L, De Gendt C., Leroy R, Stordeur S, Schillemans V., Savoye I, Silversmit G., Van Eycken L., Daisne JF, Nuyts S, Vermorken J, Grégoire V. **Patterns and quality of care for head and neck carcinoma in Belgium: a population-based study.** *European Journal of Cancer Care* 2021. <https://doi.org/10.1111/ecc.13454> .
- 17) Huang L , Jansen L., H.A. Verhoeven R., Ruurda J.P, Van Eycken L., De Schutter H., et al... **Largely varying patterns and trends of primary cancer-directed resection for gastric carcinoma with synchronous distant metastasis in Europe and the US: a population-based study calling for further standardization of care.** *Ther Adv Med Oncol* 2021, Vol. 13: 1–14 <https://doi.org/10.1177/17588359211027837>



- 18) Ocaik S., Tournoy K.G., Berghmans T., Demedts I., Durieux R., et al... Van Eycken L., ... **Lung cancer in Belgium.** 2021 *Journal of Thoracic Oncology* 16(10): 1610-1621 <https://doi.org/10.1016/j.jtho.2021.07.022>

2020

- 1) Stordeur S, Schillemans V, Savoye I, Vanschoenbeek K, Leroy R, Macq G, Verleye L, De Gendt C, Nuyts S, Vermorken J, Beguin C, Grégoire V, Van Eycken L. **Comorbidity in head and neck cancer: Is it associated with therapeutic delay, post-treatment mortality and survival in a population-based study?** *Oral Oncology* 2020;102: . doi: 10.1016/j.oraloncology.2019.104561 <https://doi.org/10.1016/j.oraloncology.2019.104561> .
- 2) Tosco, L., Devos, G., De Coster, G., Roumeguère, T., Everaerts, W., Quackels, T., Dekuyper, P., Van Cleynenbreugel, B., Van Damme, N., Van Eycken, E., Ameye, F., Joniau, S., **Be-RALP (Belgian Robotic-Assisted Laparoscopic Pros, Development and external validation of a nomogram to predict lymph node invasion after robot assisted radical prostatectomy.** *Urol Oncol* 2020, 38 (2), 37.e11-37.e20. doi: 10.1016/j.urolonc.2019.10.001 <https://doi.org/10.1016/j.urolonc.2019.10.001>
- 3) Nevens D., Kindts I., Defourny N., Boesmans L., Van Damme N., Engels H., Van de Voorde C. and Lievens Y. **The financial impact of SBRT for oligometastatic disease: A population-level analysis in Belgium.** *Radiotherapy and Oncology* 2020, 145 : 215-222. doi: 10.1016/j.radonc.2020.01.024 <https://doi.org/10.1016/j.radonc.2020.01.024>
- 4) Guo F., De Brabander I., Francart J., Candeur M., Polus M., Van Eycken L. and Brenner H. **Benefits of switching from guaiac-based faecal occult blood to faecal immunochemical testing: experience from the Wallonia-Brussels colorectal cancer screening programme.** *Br J Cancer* 2020, 122 : 1109-1117 doi: 10.1038/s41416-020-0754-5 <https://doi.org/10.1038/s41416-020-0754-5>
- 5) Leroy R, Silversmit G, Stordeur S, De Gendt C, Verleye L, Schillemans V, Savoye I, Van Eycken L, Deron P, Hamoir M, Vermorken J, Grégoire V, Nuyts S. **Improved survival in head and neck cancer patients treated in high volume centres: A population-based study in Belgium.** *European Journal of Cancer* 2020; 130:81-91. doi: 10.1016/j.ejca.2020.01.024 <https://doi.org/10.1016/j.ejca.2020.01.024>
- 6) Demoury C., De Schutter H., Faes C., Carbonnelle S., Molenberghs G., Van Damme N., Van Nieuwenhuysse A. and Vleminckx C. **Thyroid cancer incidence near nuclear sites in Belgium: and ecological study at small geographical level.** *International Journal of Cancer* 2019 <https://doi.org/10.1002/ijc.32796>
- 7) Geldof T., Van Damme N., Huys I., Van Dyck W. **Patient-Level Effectiveness Prediction Modeling for Glioblastoma Using Classification Trees.** *Front Pharmacol.* 2020 Jan 31;10:1665. doi: 10.3389/fphar.2019.01665. <https://doi.org/10.3389/fphar.2019.01665> eCollection 2019.



- 8) Geldof T., Popovic D., Van Damme N., Huys I., Van Dyck W. **Nearest Neighbour Propensity Score Matching and Bootstrapping for Estimating Binary Patient Response in Oncology: A Monte Carlo Simulation.** *Sci Rep.* 2020 Jan 22;10(1):964. doi: 10.1038/s41598-020-57799-w. <https://doi.org/10.1038/s41598-020-57799-w>
- 9) Draulans C., Van Damme N., Isebaert S., Everaerts W., Silversmit G., Joniau S., De Meerleer G., Van Eycken E., Haustermans K., on behalf of Be-RALP. **Variation in adjuvant and early salvage radiotherapy after robot-assisted radical prostatectomy for prostate cancer: a population based cohort study.** *Acta Oncologica* 2020 59(8): 904-910 doi: 10.1080/0284186X.2020.1759824 <https://doi.org/10.1080/0284186X.2020.1759824>
- 10) Soetewey A., Legrand, C., Denuit, M. Silversmit G. **Waiting period from diagnosis for mortgage insurance issued to cancer survivors.** *Eur. Actuar. J.* (2020). doi.org/10.1007/s13385-020-00254-x <https://doi.org/10.1007/s13385-020-00254-x>
- 11) Rosskamp M., Verbeeck J., Sass V., Gadeyne S., Verdoodt F., De Schutter H. **Social inequalities Social Inequalities in Cancer Survival in Belgium: A Population-Based Cohort Study** *Cancer Epidemiol Biomarkers Prev* 2020 doi: 10.1158/1055-9965.EPI-20-072 <https://10.1158/1055-9965.EPI-20-072>
- 12) Van Hemelrijck W, De Schutter H., de Valk H.A.G., Silversmit G., Rosskamp M., Vandenheede H. **Breast cancer by migrant background in Belgium: lower risk, but worse survival in women of non-European origin.** *Int. J. Cancer* 2020 147, 350–360 DOI: 10.1002/ijc.32726 <https://10.1002/ijc.32726>
- 13) Debuquoy A., Linsen L, T'Joel V, Dollé L, Bekaert S. **Editorial: Biobanks as Essential Tools for Translational Research: The Belgian Landscape.** *Front Med.* 2020 Jul 28;7:378. doi: 10.3389/fmed.2020.00378 <https://10.3389/fmed.2020.00378>
- 14) Eklund N, Andrianarisoa NH, van Enkevort E, Anton G, Debuquoy A., et al. **Extending the Minimum Information About Biobank Data Sharing Terminology to Describe Samples, Sample Donors, and Events.** *Biopreserv Biobank.* 2020 18(3):155-164. doi: 10.1089/bio.2019.0129 <https://10.1089/bio.2019.0129>
- 15) Snowden JA, Saccardi R, Orchard K, Ljungman P, Duarte RF, Labopin M., Poirel HA.,, Macq G., et al. **Benchmarking of survival outcomes following haematopoietic stem cell transplantation: A review of existing processes and the introduction of an international system from the European Society for Blood and Marrow Transplantation (EBMT) and the Joint Accreditation Committee of ISCT and EBMT (JACIE).** *Bone Marrow Transplant* 2020 55(4):681-694. doi: 10.1038/s41409-019-0718-7. <https://10.1038/s41409-019-0718-7>
- 16) Snowden JA, Saccardi R, Orchard K, Ljungman P, Duarte RF, Labopin M.... Poirel HA.,, Macq G., et al. **Correction: Benchmarking of survival outcomes following haematopoietic stem cell transplantation: A review of existing processes and the introduction of an international system from the European**



Society for Blood and Marrow Transplantation (EBMT) and the Joint Accreditation Committee of ISCT and EBMT (JACIE). *Bone Marrow Transplant.* 2020 55(4):838-839. doi: 10.1038/s41409-019-0740-9. <https://10.1038/s41409-019-0740-9>

- 17) Huang L, Jansen L, Balavarca Y, Verhoeven RHA, Ruurda JP, Van Eycken L, De Schutter H, Johansson J, Lindblad M, Johannesen TB, Zadnik V, Žagar T, Mägi M, Bastiaannet E, Lagarde SM, van de Velde CJH, Schrotz-King P, Brenner H. **Decreasing resection rates for nonmetastatic gastric cancer in Europe and the United States.** *Clin Transl Med.* 2020 Oct;10(6):e203. doi: 10.1002/ctm2.203 <https://10.1002/ctm2.203>
- 18) Gupta S, Aitken J, Bartels U, Bhakta N, ..., Van Eycken L, Vora T, Frazier AL. **Development of paediatric non-stage prognosticator guidelines for population-based cancer registries and updates to the 2014 Toronto Paediatric Cancer Stage Guidelines.** *Lancet Oncol.* 2020 Sep;21(9):e444-e451. doi: 10.1016/S1470-2045(20)30320-X [https://10.1016/S1470-2045\(20\)30320-X](https://10.1016/S1470-2045(20)30320-X)
- 19) Izci H, Tambuyzer T, Tuand K, Depoorter V, Laenen A, Wildiers H, Vergote I, Van Eycken L, De Schutter H, Verdoodt F, Neven P. **A Systematic Review of Estimating Breast Cancer Recurrence at the Population Level With Administrative Data.** *J Natl Cancer Inst.* 2020 Oct 1;112(10):979-988. doi: 10.1093/jnci/djaa050 <https://10.1093/jnci/djaa050>
- 20) Minicozzi P, Vicentini M, Innos K, Castro C, Guevara M, Stracci F, Carmona-Garcia M, Rodriguez-Barranco M, Vanschoenbeek K, Rapiti E, Katalinic A, Marcos-Gragera R, Van Eycken L, Sánchez MJ, Bielska-Lasota M, Rossi PG, Sant M; European HR Working Group on colorectal cancer. **Comorbidities, timing of treatments, and chemotherapy use influence outcomes in stage III colon cancer: A population-based European study.** *Eur J Surg Oncol.* 2020 Jun;46(6):1151-1159. doi: 10.1016/j.ejso.2020.02.023 <https://10.1016/j.ejso.2020.02.023>
- 21) Hava I, Tambuyzer T., Tuand K., Depoorter V., Laenen A., Wildiers H., Vergote I., Van Eycken L., De Schutter H., Verdoodt F. and Neven P. **A Systematic Review of Estimating Breast Cancer Recurrence at the Population Level With Administrative Data.** *JNCI* 2020; 112(10):979-988, <https://doi.org/10.1093/jnci/djaa050>
- 22) Groen JV, Douwes TA, van Eycken E, van der Geest LGM, Johannesen TB, Besselink MG, Koerkamp BG, Wilmink JW, Bonsing BA, Portielje JEA, van de Velde CJH, Bastiaannet E, Mieog JSD; Dutch Pancreatic Cancer Group. **Treatment and Survival of Elderly Patients with Stage I-II Pancreatic Cancer: A Report of the EURECCA Pancreas Consortium.** *Ann Surg Oncol.* 2020 Dec;27(13):5337-5346. doi: 10.1245/s10434-020-08539-x <https://10.1245/s10434-020-08539-x>
- 23) Soenens C, Dekuyper P, De Coster G, Van Damme N, Van Eycken E, Quackels T, Roumeguère T, Van Cleynebreugel B, Joniau S, Ameye F; Be-RALP registry. **Concordance Between Biopsy and Radical Prostatectomy Gleason Scores: Evaluation of Determinants in a Large-Scale Study of Patients**



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- 24) Hoeck S, van de Veerdonk W, De Brabander I. **Do socioeconomic factors play a role in nonadherence to follow-up colonoscopy after a positive faecal immunochemical test in the Flemish colorectal cancer screening programme?** *Eur J Cancer Prev.* 2020 Mar;29(2):119-126. doi: 10.1097/CEJ.0000000000 <https://10.1097/CEJ.0000000000>
- 25) Toes-Zoutendijk E, Portillo I, Hoeck S, de Brabander I, Perrin P, Dubois C, van Leerdam M, Lansdorp-Vogelaar I, Bardou M. **Participation in faecal immunochemical testing-based colorectal cancer screening programmes in the northwest of Europe.** *J Med Screen.* 2020 Jun;27(2):68-76. doi: 10.1177/0969141319879712. <https://10.1177/0969141319879712>
- 26) van Kleef JJ, van den Boorn HG, Verhoeven RHA, Vanschoenbeek K, Abu-Hanna A, Zwinderman AH, Sprangers MAG, van Oijen MGH, De Schutter H, van Laarhoven HWM. **External Validation of the Dutch SOURCE Survival Prediction Model in Belgian Metastatic Oesophageal and Gastric Cancer Patients.** *Cancers* (Basel). 2020 Mar 31;12(4):834. doi: 10.3390/cancers12040834. <https://10.3390/cancers12040834>
- 27) Decallonne B., Van den Bruel A., Macq G., Elaut N., De Schutter H. **The impact of regional variation in clinical practice on thyroid cancer diagnosis: a national population-based study.** *European Thyroid Journal* 2019 Jan;9(1):32-39 <https://doi.org/10.1159/000504046>
- 28) van de Veerdonk W, Hoeck S, Peeters M, Van Hal G, Francart J, De Brabander I. **Occurrence and characteristics of faecal immunochemical screen-detected cancers vs non-screen-detected cancers: Results from a Flemish colorectal cancer screening programme.** *United European Gastroenterol J.* 2020 Mar;8(2):185-194. doi: 10.1177/2050640619882157 <https://10.1177/2050640619882157>
- 29) Bielska-Lasota M, Rossi S, Krzyżak M, Haelens A, Domenic A, De Angelis R, Maciejczyk A, Rodríguez-Barranco M, Zadnik V, Minicozzi P, EURO CARE-5 Working Group. **Reasons for low cervical cancer survival in new accession European Union countries: a EURO CARE-5 study.** *Arch Gynecol Obstet.* 2020 Feb;301(2):591-602. doi: 10.1007/s00404-019-05412-5. <https://10.1007/s00404-019-05412-5>



- 1) Hoeck S., van de Veerdonk W., De Brabander I. and Kellen E. **Does the Flemish colorectal cancer screening programme reach equity in FIT uptake?** *European Journal of Public Health* 2019, vol 0, nr 0 – 1-7. doi: 10.1093/eurpub/ckz043 <https://doi.org/10.1093/eurpub/ckz043>
- 2) Huang L., Balavarca Y., ... Van Eycken E., De Schutter H., et al., **Development and validation of a prognostic model to predict the prognosis of patients who underwent chemotherapy and resection of pancreatic adenocarcinoma: a large international population-based cohort study.** *BMC Med.* 2019, 17:66 doi: 10.1186/s12916-019-1304-y <https://doi.org/10.1186/s12916-019-1304-y>
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- 4) George G., Scailteux L.M., Garmo H., Balusson F., Cardwell C., De Coster G., De Schutter H., Kuiper J.G., McMenamin Ú., Verbeeck J., Van Hemelrijck M. **Real-world insights into risk of developing cardiovascular disease following GnRH agonists versus antagonists for prostate cancer: a methodological protocol to a study using five European databases.** *Fundam Clin Pharmacol.* 2019, 33(4):479-499. doi: 10.1111/fcp.12454. <https://doi.org/10.1111/fcp.12454>
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- 14) Leroy R, De Gendt C, Stordeur S, Schillemans V, Verleye L, Silversmit G, Van Eycken E, Savoye I, Grégoire V, Nuyts S and Vermorcken J. **Head and Neck Cancer in Belgium: Quality of Diagnostic Management and Variability Across Belgian Hospitals Between 2009 and 2014.** *Frontiers Oncology* 2019;9:1006. <https://doi.org/10.3389/fonc.2019.01006> doi: 10.3389/fonc.2019.01006
- 15) van de Veerdonk W., Hoeck S., Peeters M., Van Hal G., Francart J. and De Brabander I. **Occurrence and characteristics of screen-detected and non-screen-detected cancers after start-up of a regional colorectal cancer screening programme.** *United European Gastroenterology Journal* 2019 1-10 <https://doi.org/10.1177/2050640619882157>



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