

Resource Summary Report

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epiR

RRID:SCR_021673

Type: Tool

Proper Citation

epiR (RRID:SCR_021673)

Resource Information

URL: <https://cran.r-project.org/web/packages/epiR/index.html>

Proper Citation: epiR (RRID:SCR_021673)

Description: Software R package for analysis of epidemiological and surveillance data. Contains functions for directly and indirectly adjusting measures of disease frequency, quantifying measures of association on basis of single or multiple strata of count data presented in contingency table, computation of confidence intervals around incidence risk and incidence rate estimates and sample size calculations for cross-sectional, case-control and cohort studies. Surveillance tools include functions to calculate appropriate sample size for 1- and 2-stage representative freedom surveys, functions to estimate surveillance system sensitivity and functions to support scenario tree modelling analyses.

Resource Type: data analysis software, data processing software, software application, software resource, software toolkit

Keywords: Epidemiological data analysis, surveillance data analysis, calculate sample size, representative freedom surveys, estimate surveillance system sensitivity

Availability: Free, Available for download, Freely available

Resource Name: epiR

Resource ID: SCR_021673

License: GPL v3

Record Creation Time: 20220129T080356+0000

Record Last Update: 20260912T195959+0000

Ratings and Alerts

No rating or validation information has been found for epiR.

No alerts have been found for epiR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Shen Y, et al. (2025) A large-scale, multi-centre validation study of an AI-empowered blood-based test for multi-cancer early detection. NPJ precision oncology, 9(1), 321.

Nibeyro G, et al. (2025) Evaluating Gene Fusions as Prognostic Biomarkers and Therapeutic Targets in Immune Checkpoint Blockade-Treated Advanced Melanoma: A Retrospective Analysis. Cancer research communications, 5(8), 1332.

Auwercx J, et al. (2025) The kinase domain of TRPM7 interacts with PAK1 and regulates pancreatic cancer cell epithelial-to-mesenchymal transition. Cell death & disease, 16(1), 335.

Medina JE, et al. (2025) Early Detection of Ovarian Cancer Using Cell-Free DNA Fragmentomes and Protein Biomarkers. Cancer discovery, 15(1), 105.

Wei B, et al. (2025) An effective and affordable blood test for lung cancer early detection using four protein markers and artificial intelligence. Translational lung cancer research, 14(9), 3444.

Swanton C, et al. (2025) Circulating tumor DNA monitoring and blood tumor mutational burden in patients with metastatic solid tumors treated with atezolizumab. Molecular oncology.

Geng S, et al. (2025) A Cost-Effective Two-Step Approach for Multi-Cancer Early Detection in High-Risk Populations. Cancer research communications, 5(1), 150.

Delalay G, et al. (2025) The use of scenario tree models in support of animal health surveillance: A scoping review. Preventive veterinary medicine, 234, 106371.

Luo P, et al. (2024) The modified role including mediating and synergistic interactive effects of glucose tolerance status in the associations between relative fat mass and the risks of cardiovascular disease and all-cause mortality from the 4C cohort study. Diabetology & metabolic syndrome, 16(1), 313.

Ambeskovic A, et al. (2024) Exon-Skipping-Based Subtyping of Colorectal Cancers. Gastroenterology.

Luan Y, et al. (2023) A panel of seven protein tumour markers for effective and affordable multi-cancer early detection by artificial intelligence: a large-scale and multicentre case-control study. *EClinicalMedicine*, 61, 102041.

Foda ZH, et al. (2023) Detecting Liver Cancer Using Cell-Free DNA Fragmentomes. *Cancer discovery*, 13(3), 616.

Molini U, et al. (2023) Low Seroprevalence of WNV in Namibian Dogs Suggests a Limited Effectiveness as Sentinels for Infection Monitoring. *Tropical medicine and infectious disease*, 8(4).

Kim YD, et al. (2022) Clinical Implications of the Gastroesophageal Reflux Disease Questionnaire and Reflux Symptom Index in Patients With Suspected Laryngopharyngeal Reflux Symptoms. *Journal of neurogastroenterology and motility*, 28(4), 599.

Hu S, et al. (2022) Periodontal Inflamed Surface Area Is Associated With Increased Gestational Blood Pressure and Uric Acid Levels Among Pregnant Women From Rural North China. *Frontiers in cardiovascular medicine*, 9, 830732.

Akinyi MY, et al. (2022) A cross-sectional analysis identifies a low prevalence of *Plasmodium ovale* species infections in symptomatic and asymptomatic individuals in Kilifi county, Kenya. *Wellcome open research*, 7, 207.

Puyén ZM, et al. (2022) Evaluation of the broth microdilution plate methodology for susceptibility testing of *Mycobacterium tuberculosis* in Peru. *BMC infectious diseases*, 22(1), 705.

Mancilla-Tapia JM, et al. (2022) Dogs Detecting COVID-19 From Sweat and Saliva of Positive People: A Field Experience in Mexico. *Frontiers in medicine*, 9, 837053.

Li T, et al. (2020) Training a computer-aided polyp detection system to detect sessile serrated adenomas using public domain colonoscopy videos. *Endoscopy international open*, 8(10), E1448.