

Resource Summary Report

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PS:Power and Sample Size Calculation

RRID:SCR_024912

Type: Tool

Proper Citation

PS:Power and Sample Size Calculation (RRID:SCR_024912)

Resource Information

URL: <https://biostat.app.vumc.org/wiki/Main/PowerSampleSize>

Proper Citation: PS:Power and Sample Size Calculation (RRID:SCR_024912)

Description: Software application as interactive program for performing power and sample size calculations. Can determine the sample size needed to detect specified alternative hypothesis with required power, the power with which specific alternative hypothesis can be detected with given sample size, or the specific alternative hypotheses that can be detected with given power and sample size.

Abbreviations: PS

Resource Type: software application, software resource

Defining Citation: [PMID:9875838](#)

Keywords: interactive program for performing power and sample size calculations, power and sample size calculations,

Availability: Free, Available for download, Freely available

Resource Name: PS:Power and Sample Size Calculation

Resource ID: SCR_024912

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Record Creation Time: 20240129T210604+0000

Record Last Update: 20260810T040907+0000

Ratings and Alerts

No rating or validation information has been found for PS:Power and Sample Size Calculation.

No alerts have been found for PS:Power and Sample Size Calculation.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Ristin S, et al. (2026) Asymmetry and redundancy of STAT5 paralogs across CD8+ T cell differentiation states. Communications biology, 9(1).

Mazoit JX, et al. (2026) Reduce or not reduce: a practical guide to calculate sample size for various experimental design in studies involving animals. Frontiers in pharmacology, 17, 1786234.

Himoto Y, et al. (2025) Limited diagnostic performance of imaging evaluation for staging in gastric-type endocervical adenocarcinoma: a multi-center study. Japanese journal of radiology, 43(5), 810.

Luk C, et al. (2025) Paracrine role of endothelial IGF-1 receptor in depot-specific adipose tissue adaptation in male mice. Nature communications, 16(1), 170.

Sandhu IMS, et al. (2025) ARL15 Gene Variant rs255758 Provides Susceptibility to Rheumatoid Arthritis in Northwest Indian Population. International journal of applied & basic medical research, 15(1), 38.

Ying GS, et al. (2024) Tutorial on Biostatistics: Sample Size and Power Calculation for Ophthalmic Studies With Correlated Binary Eye Outcomes. Investigative ophthalmology & visual science, 65(8), 7.

Sherin A, et al. (2024) Comparison of Bromelain and Diclofenac in the Management of Postoperative Pain and Quality of Life Following Root Canal Therapy: A Randomized Controlled Trial. Cureus, 16(10), e71995.

Aravena-Canese L, et al. (2024) How does a poetry audiobook app improve the perception of well-being in older adults? A study protocol. PloS one, 19(10), e0312463.

Kalra K, et al. (2024) A Cross-Sectional Study to Assess Diabetes as a Risk Factor for Root Caries Amongst the Elderly Population in Udupi District, Karnataka State, India. TheScientificWorldJournal, 2024, 9963917.

Bell BI, et al. (2024) Whole Abdominal Pencil Beam Scanned Proton FLASH Increases Acute Lethality. International journal of radiation oncology, biology, physics.

Bnaiyan AH, et al. (2022) Evaluation Time and Efficacy of Root Canal Rotary Preparation in Primary Teeth: An In-Vitro Study. *Cureus*, 14(4), e24558.

Laws TR, et al. (2022) Considerations in the design of animal infection pilot studies. *Frontiers in cellular and infection microbiology*, 12, 948464.

Casselbrant A, et al. (2022) Common physiologic and proteomic biomarkers in pulmonary and coronary artery disease. *PloS one*, 17(3), e0264376.

Tu HF, et al. (2022) Exploiting salivary miR-375 as a clinical biomarker of oral potentially malignant disorder. *Journal of dental sciences*, 17(2), 659.

Maeda S, et al. (2022) Lapatinib as first-line treatment for muscle-invasive urothelial carcinoma in dogs. *Scientific reports*, 12(1), 4.

Alnassar I, et al. (2022) Evaluation of Bioceramic Putty in Pulpotomy of Immature Permanent Molars With Symptoms of Irreversible Pulpitis. *Cureus*, 14(11), e31806.