

# Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

## VAMCA

RRID:SCR\_007028

Type: Tool

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### Proper Citation

VAMCA (RRID:SCR\_007028)

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### Resource Information

**URL:** <http://www.ebire.org/hcnlab/software/vamca.html>

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**Description:** A stand-alone, open source human cortical meta-analysis and visualization toolbox for MatLab. It projects stereotaxic coordinates to a mean cortical surface by using an anatomical database of 60 young adults to provide multiple mappings of normalized cortical surfaces into MNI space. VAMCA performs the following analyses: # Multi-Fiducial Projection Mapping: Map stereotaxic 3D coordinates to the normalized cortical location for each of 60 database subjects. # Computing Centroid Locations for groups of foci both on a mean cortical surface and in MNI space. # Comparing Two Groups of Foci for differences in location (surface or 3D) of their group centroids and computing the groups' overlap extent using permutation tests. # Detecting Significant Densities of Foci or Density Differences of Two Groups within anatomical ROIs on a mean cortical surface by using Monte Carlo analyses. Coordinate weights allow fixed or random effects type analyses.

**Abbreviations:** VAMCA

**Synonyms:** VAMCA: Visualization And Meta-analysis on Cortical Anatomy, VAMCA Cortical Meta-analysis Toolbox, Visualization And Meta-analysis on Cortical Anatomy

**Resource Type:** software toolkit, image analysis software, data visualization, software resource, software application, data processing software

**Keywords:** database application, linux, matlab, microsoft, magnetic resonance, posix/unix-like, visualization, windows, windows 95/98/2000, windows nt/2000, windows xp, mni, adult human

**Availability:** Creative Commons Attribution License

**Resource Name:** VAMCA

**Resource ID:** SCR\_007028

**Alternate IDs:** nlx\_156010

**Alternate URLs:** <http://www.nitrc.org/projects/vamca>

**Record Creation Time:** 20220129T080239+0000

**Record Last Update:** 20260808T185852+0000

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## Ratings and Alerts

No rating or validation information has been found for VAMCA.

No alerts have been found for VAMCA.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.