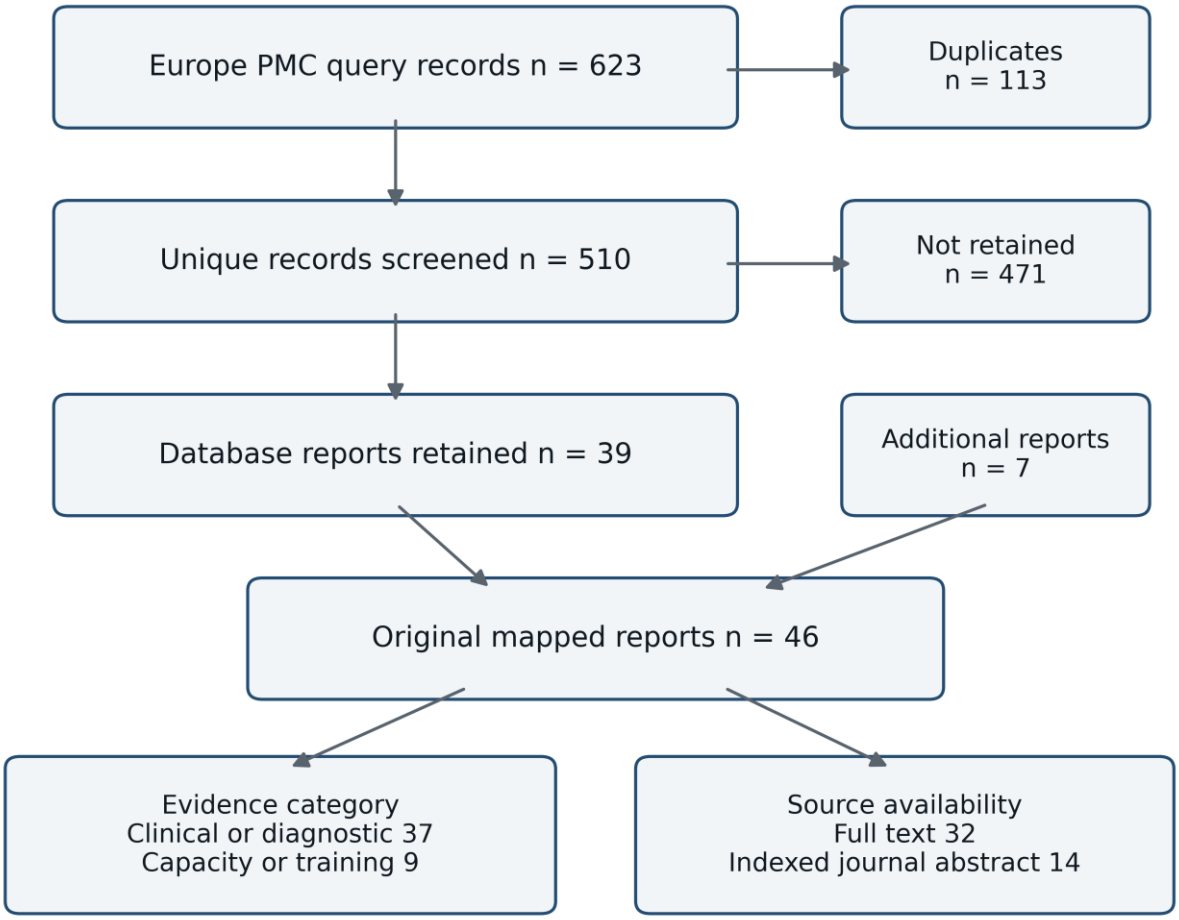
Supplementary Figure S1



Original review accounting. Counts reproduce the original search map. The 471 records not retained cannot be divided into undocumented screening stages or exclusion reasons. Source availability is a characterization of the 46 reports, not a separate retrieval cascade. The supplementary PubMed candidate set is reported separately and is not included in this flow.

Supplementary Appendix S1 Search during revision

A supplementary PubMed retrieval was executed through NCBI E-utilities on 18 November 2026. The publication-date filter was 1 January 2020 through 31 January 2026. The final query returned 136 candidate records, and all 136 bibliographic records were retrieved. The geographic block intentionally included continental terms as well as named countries; Northern African and otherwise ineligible records require screening.

The retrieval is reported separately from the original Europe PMC map. It has not been reconciled against the full original 46-report catalogue. The 136 records must not be described as additional included studies, added to the 623 original query returns, or merged into the 510 screened records without documented deduplication and eligibility assessment. Publication-date indexing does not by itself verify first online publication before the cutoff.

PubMed and Europe PMC have overlapping coverage; a separately executed PubMed query adds a retrieval route, not an independent body of evidence. Native systematic exports from AJOL and African Index Medicus were not completed. Site-restricted regional web discovery is supplementary and does not establish exhaustive African-journal coverage.

Exact final query

("Africa South of the Sahara"[Mesh] OR Africa[tiab] OR African[tiab] OR Angola[tiab] OR Benin[tiab] OR Botswana[tiab] OR Burkina Faso[tiab] OR Burundi[tiab] OR Cameroon[tiab] OR Cabo Verde[tiab] OR Cape Verde[tiab] OR Central African Republic[tiab] OR Chad[tiab] OR Comoros[tiab] OR Congo[tiab] OR Cote d'Ivoire[tiab] OR Ivory Coast[tiab] OR Djibouti[tiab] OR Equatorial

Guinea[tiab] OR Eritrea[tiab] OR Eswatini[tiab] OR Swaziland[tiab] OR Ethiopia[tiab] OR Gabon[tiab] OR Gambia[tiab] OR Ghana[tiab] OR Guinea[tiab] OR Kenya[tiab] OR Lesotho[tiab] OR Liberia[tiab] OR Madagascar[tiab] OR Malawi[tiab] OR Mali[tiab] OR Mauritania[tiab] OR Mauritius[tiab] OR Mayotte[tiab] OR Mozambique[tiab] OR Namibia[tiab] OR Niger[tiab] OR Nigeria[tiab] OR Reunion[tiab] OR Rwanda[tiab] OR Sao Tome[tiab] OR Senegal[tiab] OR Seychelles[tiab] OR Sierra Leone[tiab] OR Somalia[tiab] OR South Africa[tiab] OR South Sudan[tiab] OR Tanzania[tiab] OR Togo[tiab] OR Uganda[tiab] OR Zambia[tiab] OR Zimbabwe[tiab]) AND ("Intracranial Aneurysm"[Mesh] OR "Subarachnoid Hemorrhage"[Mesh] OR "Intracranial Arteriovenous Malformations"[Mesh] OR "Moyamoya Disease"[Mesh] OR ((intracranial[tiab] OR cerebral[tiab] OR brain[tiab] OR spinal[tiab]) AND (aneurysm*[tiab] OR arteriovenous malformation*[tiab] OR cavernous malformation*[tiab] OR vascular malformation*[tiab])) OR subarachnoid hemorrhage[tiab] OR subarachnoid haemorrhage[tiab] OR moyamoya[tiab] OR vein of Galen[tiab] OR ((vascular neurosurg*[tiab] OR neurovascular[tiab]) AND (training[tiab] OR capacity[tiab] OR workforce[tiab]))) AND ("2020/01/01"[Date - Publication] : "2026/01/31"[Date - Publication])
Platform: PubMed via NCBI E-utilities. Database: pubmed. ESearch return mode: JSON. EFetch return format: XML. No claim of independent human screening of the 136 supplementary candidates is made.