

Adult Intracranial Tumor

Classification

Intracranial Tumor Classification

Sub-Saharan African (SSA) neuro-oncologists report high [workloads](#) and [challenges](#) in delivering [evidence-based care](#); however, these [reports](#) contrast with modeled estimates of [adult](#) neuro-oncology disease burden in the region. A scoping review aimed to better understand the reasons for this discrepancy by mapping out the SSA adult brain tumor landscape based on published literature.

Systematic searches were conducted in [OVID Medline](#), [Global Index Medicus](#), African Journals Online, Google Scholar, and faculty of medicine libraries from database inception to May 31 st, 2021. The results were summarized quantitatively and narratively. English and French peer-reviewed articles were included (title, abstract, and full text).

Of the 819 records identified, 119 articles by 24 SSA countries (42.9%) were included in the final review. Odeku published the first article in [1967](#), and nine of the ten most prolific years were in the 21 st century. The greatest contributing region was [West Africa](#) (n=58, 48.7%) led by [Nigeria](#) (n=37, 31.1%). Central Africa had fewer articles published later than the other SSA regions (p=0.61). Most studies were non-randomized (n=75, 63.0%) and meningiomas (n=50, 42.0%) were the most common brain tumors reported. Less than 30 studies reported on adjuvant treatment or patient outcomes.

Most [publications](#) were hospital-based, and there was significant heterogeneity in the [quality](#) of [evidence](#) and [reporting](#). This study highlights the need for rapid and sustainable [investments](#) and [brain tumor research](#) capacity in SSA ¹⁾.

Treatment

Intracranial tumor treatment

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Kanmounye US, Karekezi C, Nyalundja AD, Awad AK, Laeke T, Balogun JA. Adult brain tumors in Sub-Saharan Africa: A scoping review. Neuro Oncol. 2022 Apr 9;noac098. doi: 10.1093/neuonc/noac098. Epub ahead of print. PMID: 35397473.

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