# Widespread adoption

**Widespread adoption** refers to the process by which a technology, technique, or clinical practice becomes commonly used across multiple institutions, settings, or professional communities. It implies a transition from early experimentation or pilot use to **routine integration** in standard workflows.

In neurosurgery, widespread adoption of an innovation typically depends on:

- Demonstrated **clinical effectiveness** through peer-reviewed studies
- **Reproducibility** of results across diverse patient populations
- **Cost-effectiveness** and resource feasibility
- **Training accessibility** for surgeons and staff
- Inclusion in **clinical guidelines** or **standard-of-care protocols**

Without these elements, a new tool or approach—such as 3D virtual reality or 3D printing—may remain confined to experimental or showcase settings and fail to impact real-world practice.

From:
https://neurosurgerywiki.com/wiki/ - **Neurosurgery Wiki**

Permanent link:
**https://neurosurgerywiki.com/wiki/doku.php?id=widespread_adoption**

Last update: **2025/06/19 16:35**