

Executive Summary: The Real Surgical Gap in India

India performs around 1 lakh surgeries every single day — over 37 million per year. But most of these surgeries don't happen everywhere. They are concentrated in big cities, leaving smaller towns and rural areas behind.

Surgery Distribution Across India

Region	% of All Surgeries	Approx Surgeries/Day
Tier-1 Metros	40%	40,000
Tier-2 Cities	30%	30,000
Tier-3 Towns	15%	15,000
Rural India / CHCs	15%	15,000

The Real Challenge: Skill Concentration

Most advanced surgical training and mentorship is confined to Tier-1 cities. Surgeons in smaller towns often work without real-time guidance or AI assistance. In rural India, complex surgeries are either delayed or referred due to lack of specialists.

Digital Surgery Infrastructure

Region	Digital OR Availability
Tier-1	80%
Tier-2	40%
Tier-3	20%
Rural India	<10%

Conclusion

Most people think India's surgical challenge is infrastructure. But the real challenge is skill concentration. Nearly all advanced training and surgical mentorship is confined to Tier-1 cities. In smaller towns, a single general surgeon may handle everything — from appendectomy to trauma — without real-time guidance or AI assistance. CogniAxis.ai bridges that gap by bringing world-class mentorship into Tier-2 and Tier-3 hospitals, and AR/VR-based simulation to colleges that can't afford cadaver labs. This is how we'll build the next generation of surgical excellence — not just in metros, but everywhere care is needed.

■ **Skill is the new infrastructure. With CogniAxis.ai, every hospital can become a center of excellence.**