MedPaLM 2 Architecture

📊 540B parameters   🏗️ Flan-PaLM based   ✅ 86.5% on MedQA

🎯 **Instruction fine-tuning on medical tasks**

💡 **Medical domain adaptation with specialized corpus**

🚀 **Few-shot clinical reasoning capabilities**

🛡️ **Safety-focused design with alignment**

Medical Query Input
Patient symptoms, lab data

● Input

Tokenization

Pre-training

Flan-PaLM Base Model
540B parameters • 64 layers

● Processing

Embeddings

Adaptation

Medical Domain Adaptation
Fine-tuned on PubMed + Clinical notes

Contextual

Fine-tuning

Instruction Fine-tuning
Medical QA • Diagnosis • Reasoning

Generation

Clinical Response
Diagnosis + Evidence + Confidence

● Output