# Role Prompting for Medical Contexts

**Role prompting** assigns an expert persona to AI to elicit more accurate and contextually appropriate responses.

## 👨‍⚕️ Clinical Specialist

Role of a specialist in a specific clinical field

*"You are a cardiologist with 15 years of experience..."*

## 🔬 Research Analyst

Expert in medical research and literature analysis

*"You are a medical researcher analyzing clinical trials..."*

## 💊 Pharmacologist

Expert in drug actions and interactions

*"You are a clinical pharmacologist evaluating drug interactions..."*

## 📊 Medical Coder

Expert in medical coding and classification

*"You are a certified medical coder specializing in ICD-10..."*

## Performance Difference (Role-based vs. Generic Prompts)

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|---|---|---|---|
| Diagnostic Accuracy: | **+18%** | Response Relevance: | **+25%** |
| Technical Terminology: | **+32%** | Context Understanding: | **+22%** |