

Large language model influence on diagnostic reasoning: a randomized clinical trial.

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<https://psnet.ahrq.gov/issue/large-language-model-influence-diagnostic-reasoning-randomized-clinical-trial>

Large language models (LLM) offer a promising approach to improving [diagnostic](#) accuracy. In this study, internal medicine physicians were randomized to use conventional (eg, UpToDate) or conventional plus LLM diagnostic resources to provide a [differential](#) and final diagnosis on 4 to 6 clinical vignettes. There was no significant [difference](#) in diagnostic performance or time spent per case between conventional and conventional plus LLM groups; LLM alone performed 16% better than the control group.