
Automating the Process of Payer Pre-Approval in Healthcare

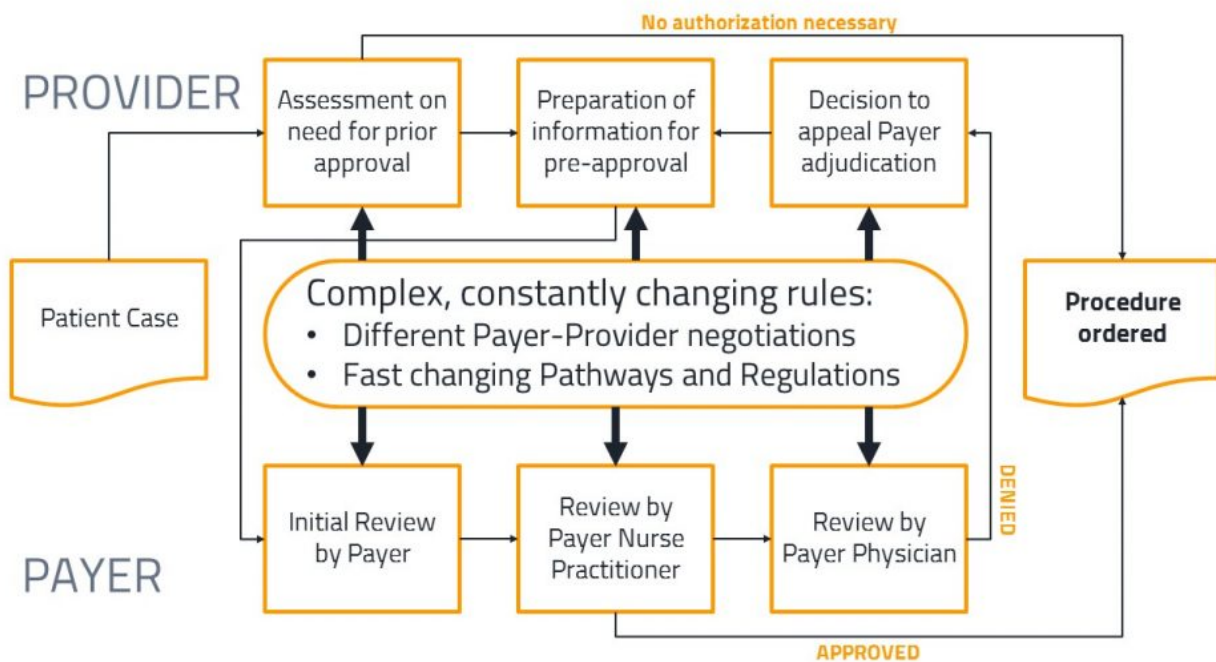
Are machines taking over your diagnosis and treatment? The short answer is, yes.

There is unprecedented innovation happening in healthcare, where artificial intelligence is taking over many aspects of diagnosis and care. This is counter-intuitive. One would think that something like healthcare is so varied and so complex, that it needs a human's judgment to make sound decisions. In reality, this variation and complexity is the precise reason machines are doing so well.

Take this example: Innovation is similarly accelerating in imaging techniques, medicine, medical devices and other aspects of healthcare. To keep up, big hospitals and small physicians practices alike rely on prescribed Clinical Pathways to decide on course of treatment. There are many platinum standard organizations that publish these pathways. For example, US Oncology and National Comprehensive Cancer Network are two of the most reputed ones in United States just for cancer. Such pathways are usually updated every quarter.

The complexity of healthcare makes it an ideal use case for application of Artificial Intelligence. There is much supervisions and many redundancies - you are in safe hands.

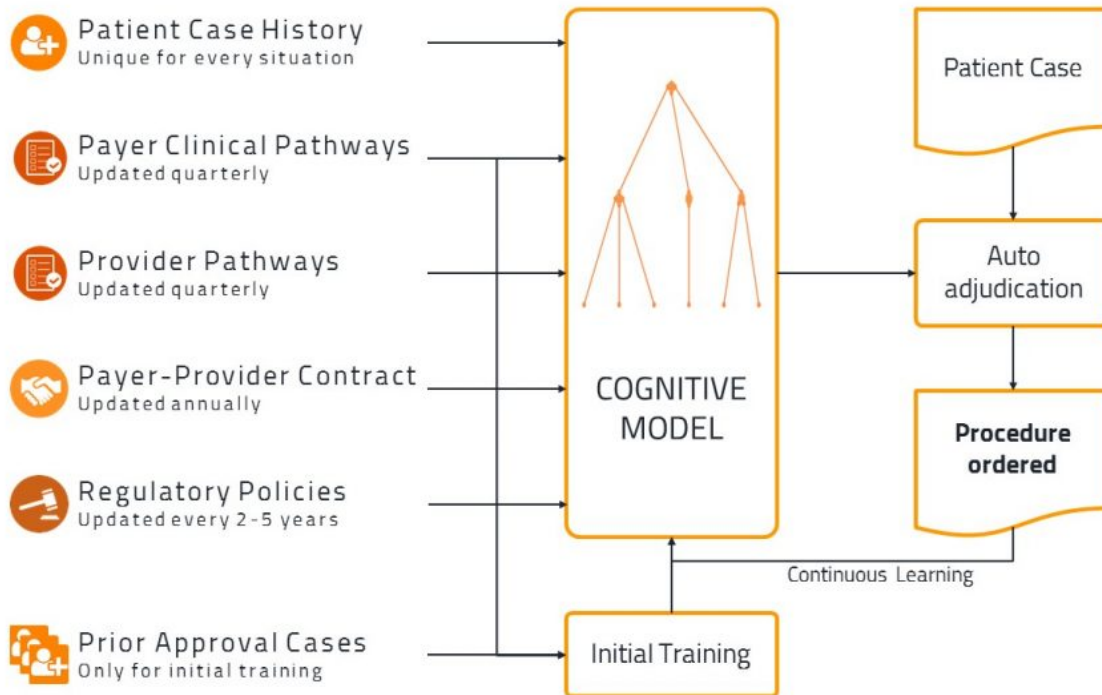
If you put payer's in the mix, whether insurance companies or government agencies, the complexity explodes, because payer's may prescribe to their own set of pathways. As a result each payer-provider pair negotiate a custom set of rules. Of course, these vary by every state to account for different regulatory policies. In other words, a simple thing like getting a procedure pre-approved by an insurance company, becomes a nightmarish task for both, the provider and the payer.



Currently, the pre-approval process is fragmented, expensive and lengthy, leading to poorer patient outcomes.

In such situations, human judgment is limited in its efficacy at best. Here even classic artificial intelligence or machine learning techniques have not been that successful. Traditional machine learning needs homogenized sets of training data for each specific training model, no easy task with this kind of fragmentation.

Still, machines will take over this process very soon. With technologies like tactical cognitive computing, even such fragmented use case can be modeled with 95-98% accuracy. Instead of programming a massive black box, a tactical cognitive computing solution would model each of the pathways and contracts in a way that can be seamlessly updated, and then brings them together to automate the workflow.



Tactical Cognitive Computing can make the pre-approvals instantaneous.

Some of you are thinking that 98% accuracy is not high enough for something like healthcare, and you are right. Don't worry, there are enough human supervision, redundancies, and checks in the system. Machines are taking over the world of healthcare, but you still are in safe hands.

See more applications in healthcare [here](#), or [set up a meeting with our tech team](#) to learn more.

What is Next-Generation Enterprise Search?

Coseer's search solutions are transforming industries from healthcare to finance. Our point-and-shoot AI trains finds answers and insights with 95%+ accuracy within 4-12 weeks - all of this in 100% security. The reason? We founded Coseer on the principle that computers should take care of the boring stuff so that humans can focus on creativity and judgment. To that end, we've built enterprise search solutions to complete complex workflows just as humans would in a fraction of the time. Fortune 500 leaders are using Coseer to speed up and automate their most complex work.

We follow a tactical approach to enterprise search:

- We deliver 95-98% accurate solutions within 4-12 weeks.
- Our solutions deploy entirely behind your own firewall for 100% security, and every

decision point is logged for full transparency.

- You add the finishing touches, but our point-and-shoot AI practically trains itself. No more huge training data sets or time wasted annotating and tagging.

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