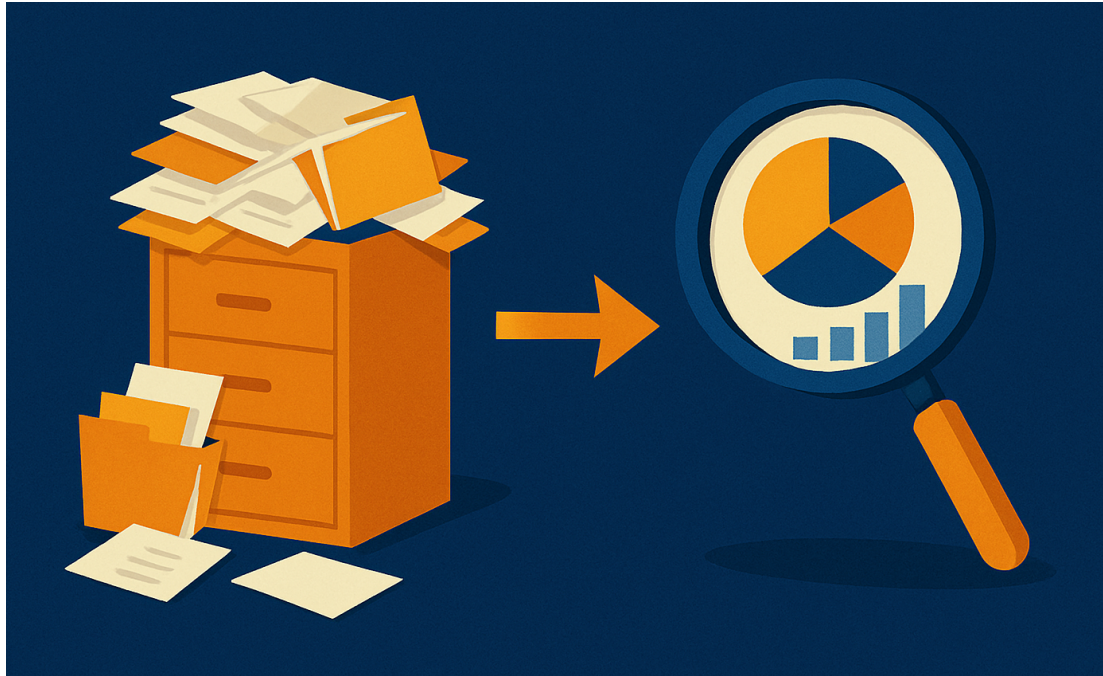




Are You Collecting Data Or Just Hoarding It?

By Maya

“You can have data without information, but you cannot have information without data.”
— *Daniel Keys Moran*

Every business collects data. Revenue spreadsheets. Patient flow dashboards. CRM exports. Marketing metrics. Most organizations are sitting on a mountain of it.

But that’s the problem: most of that data just sits there.

Used in isolation. Disconnected. Misunderstood. Or not used at all.

The Three Levels of Data Maturity

It’s easy to assume that being “data-driven” just means logging into dashboards, reviewing quarterly reports, or sharing metrics in a leadership meeting. But, in practice, this is just *data hoarding*. You’re collecting and reporting, feeling good about yourself, but *not learning*.

Some take it to the step of basic data observation: noticing trends, building a few charts, maybe even spotting a couple correlations. But these insights are usually superficial, reactive, and isolated from the bigger picture.

Turning data into action is where *real transformation* happens. That means asking the right questions, interpreting complex patterns, understanding the why behind the what, and building confidence in the steps you know you need to take next.

The organizations that succeed at this level don't just collect data. They have systems that:

- Proactively identify patterns before they become problems
- Dig deep into root causes, not just surface symptoms
- Deliver specific, detailed recommendations that decision-makers can act on
- Build conviction by answering the "why?" and "how do you know?" questions with clarity

Here, data stops being a burden and starts becoming a competitive advantage.

The Strategic Cost of Misused Data

We've seen it across so many different industries: most data problems aren't technical. They're strategic.

- Maybe you know that inpatient revenue is down, but not why.
- Maybe you see that cash collections vary wildly month-to-month, but can't find what's driving the swings.
- Maybe you realize the payer mix is shifting, but have no idea how to adapt your strategy in response.

The Hospital Case: From Financial Guesswork to Clarity

Let's look at a real-world example.

We worked with a mid-sized hospital (let's call it Hospital A) whose finance team was dealing with familiar headaches:

- Gross inpatient revenue was volatile month to month
- Midweek revenue consistently lagged without a clear reason
- Contractual adjustments and payer denials weren't aligning with revenue expectations
- Financial forecasts kept missing the mark, despite having extensive data

The issue wasn't a lack of information. The hospital had reports, dashboards, and historical data across systems.

The issue was this: they weren't connecting the dots.

Once they began integrating monthly billing reports with surgical scheduling data, claim submission timestamps, and payers' average reimbursement turnaround by procedure type, the

finance team was able to see how delays in one system universally impacted revenue recognition and cash flow forecasting. This led to the team making several realizations:

- Revenue dips midweek weren't due to decreased demand, but to fewer scheduled elective procedures, traceable back to restrictive referral bottlenecks and surgeon block scheduling
- Inpatient revenue volatility correlated with inconsistent pre-authorization rates from a few key players, not patient volumes
- Denial spikes were linked to one EHR process flaw that delayed documentation for a specific procedure code

Once the finance team understood the "why," it was clear what actions they needed to take. They optimized referral systems, changed documentation protocols, and reorganized scheduling slots. Within months, the hospital saw:

- Improved forecast accuracy
- Reduced variance in gross inpatient revenue
- Lower denial rates, especially for elective care
- Better coordination between finance, care delivery, and administration

Nothing changed about what data they had. What changed was how they used it and, most importantly, *how deeply they understood it*.

The Cost of Being Passive

The best organizations don't wait for answers to come to them. They interrogate their data, connect the systems, and act with clarity.

So ask yourself:

- Are we collecting data just to check a box... or to *find answers*?
- Are we explaining trends... or *just describing them*?
- Are we building conviction behind the decisions we make... or *relying on guesswork*?

The question isn't whether you have the data. It's whether you're putting it to work.

Maya Sriram is a member of the engineering team at Orcana.ai. She is currently studying engineering at the University of California, Berkeley.