I currently like how things are operating. But I see a few holes I’d like to fill as the need we are looking to fill is intended for personal injury legal purposes.

I like the currently extracted data section and how it splits them apart and lists them. However, I believe we need to add in a couple sections in the extraction. I’ve put together a proposed additional layout for extraction. As it sits the system is doing a lot of this. Just need to add a couple things.

I was also thinking that maybe the summary should just be the narrative of the particular bill/record that’s been analyzed. Or at minimum add the narrative to the summary page? Thoughts?

**Proposed Medical Chronology Data Structure for PI MVP**

**1. Patient/Individual Information**

* Patient Name
* Date of Birth / Age
* Gender
* Address
* Insurance (Auto, Health, VA, Medicare, etc.)
* Accident Date

**2. Medical Information**

* **Injury Diagnoses**
  + ICD-10 Codes (if available)
  + Narrative description (e.g., “cervical strain,” “concussion”)
* **Procedures Performed**
  + CPT Codes (if available)
  + Procedure description (MRI, CT, injections, surgery, etc.)
* **Diagnostics**
  + Imaging results (X-ray, MRI, CT, EMG)
  + Key impressions/findings (e.g., herniated disc at L4-5, fracture, concussion indicators)
* **Treatment Recommendations**
  + Physical therapy, pain management, injections, chiropractic, surgery consults

**3. Pain & Symptom Reports**

* Pain scale reports (0–10)
* Functional limitations (can’t lift, can’t sit long, can’t drive, etc.)
* Subjective complaints from patient notes (headaches, dizziness, numbness, etc.)

**4. Timeline (Chronology)**

* Event Date
* Event Type (Visit, Imaging, Procedure, Consultation, ER Visit, Follow-up, etc.)
* Facility / Provider
* Narrative Summary of that event
* Cost (if billing record available)

**5. Provider Information**

* Facility name
* Treating Provider Name & Specialty
* Location Address
* Referral chains (e.g., PCP → Orthopedist → Pain Management)

**6. Billing & Financials**

* Service Charges (with CPT mapping if possible)
* Outstanding Balance
* Payments / Adjustments / Insurance Write-offs
* Duplicate charges flagged

**7. Prognosis & Future Care Needs**

* Physician’s prognosis (temporary vs permanent impairment)
* Future medical recommendations (surgery, ongoing pain management, PT)
* Anticipated costs (if mentioned)

**8. Complications / Notes**

* Pre-existing conditions noted
* Accident-related aggravations
* Delays in care / gaps in treatment
* Compliance issues (missed appointments, early discharge, etc.)

**Example Output (Narrative Style for PI Use)**

**Medical Chronology – James Weis**

*(Accident Date: 09/01/24)*

**September 3, 2024 – First Diagnostic Testing**

James underwent multiple imaging procedures after the accident, beginning with a **CT of the Abdomen and Pelvis with Contrast**. The scan, billed at **$413**, showed no acute trauma but did note degenerative changes. On the same day, James also received a **CT scan with contrast** (**$2,660**) to further evaluate internal injury risk.

**September 4, 2024 – Spinal Imaging**

James continued to report **persistent neck and back pain (7/10)**. To evaluate these complaints, he received:

* **CT Thoracic Spine without contrast – $227**
* **CT Cervical Spine without contrast – $227**
* **CT Lumbar Spine without contrast – $227**

Findings suggested possible disc involvement, warranting more advanced imaging.

**September 6, 2024 – MRI Chest & Spine**

To assess chest tightness and radiating pain into his back, James underwent:

* **MRI Chest Spine without contrast – $337**

Results showed abnormal findings consistent with post-trauma injury, requiring follow-up.

**September 25, 2024 – Orthopedic Follow-Up**

During his orthopedic evaluation, James reported **ongoing lower back pain (6/10)** with limited mobility. A **hand X-ray (3 views – $410)** was also performed due to persistent wrist pain from bracing during impact.  
Recommendations included:

* Physical therapy (2–3x per week)
* Pain management consult for possible epidural injections

**September 14 – October 5, 2024 – Ongoing Treatment**

* **Statement Date:** 09/14/24
* **Outstanding Balance:** $1,697.00
* **Due Date:** 10/05/24

James remains under active care with **Pinnacle Healthcare Radiology** and **Havasu Regional Medical Center**. Providers anticipate continued imaging, therapy, and pain management to monitor and treat his post-accident condition.

**Summary of Key Findings**

* Multiple CT and MRI scans confirmed trauma-related abnormalities, particularly affecting the **lumbar spine** and **chest spine**.
* Pain consistently reported at **6–7/10**, limiting James’s ability to perform daily activities.
* Providers recommend **physical therapy, pain management injections, and ongoing monitoring**.
* Total charges to date: **$1,697.00**, with additional future costs anticipated.

👉 This way, the chronology MVP won’t just be a **billing log** — it becomes a **living medical story** that you can drop straight into a demand package.