

SRO Intelligence — New Chat Context

Read CONTEXT.md in the project first. Then use this for current state and next steps.

CURRENT STATE (as of Feb 14, 2026)

What's Built and Working

sro-local (NUC server at localhost:3000):

- `server.js` — Express + SQLite with full API: patients, episodes, checkins, pro_assessments, preop_assessments, rpm_time_logs, dashboard-stats, analytics, cloud relay polling
- `public/index.html` — Login page
- `public/dashboard.html` + `js/dashboard.js` — Clinician dashboard with patient list, red/yellow/green flags, pain trends, check-in history, PreOp assessment display, RPM time logging, manual check-in modal
- `public/preop.html` — **NEW** PreOp Optimizer (replaces old preop-assessment.html). Has 4 tabs: Intake Results, Comorbidities/HCC, Workup Tracking, Decision Tool. Full HCC library embedded (19 comorbidities with codes, weights, workup requirements). Full-screen one-question-at-a-time patient intake (KOOS-JR, HOOS-JR, PROMIS-10, PHQ-2, GAD-2, demographics, home situation). Saves to `/api/preop-assessments` and `/api/pro-assessments`.
- `public/checkin.html` — Full-screen one-question-at-a-time patient check-in. Pain scale, PT exercises, swelling, ROM measurement (drag cartoon leg with independent flexion/extension peak tracking), warning signs, free text, progress chart, voice/TTS support.
- `public/analytics.html` — Surgeon comparison, practice overview stats
- `public/rpm-report.html` — RPM billing (99457/99458) with time tracking
- `public/settings.html` — User/surgeon management

sro-cloud-relay (Render.com):

- Receives de-identified home check-ins via token
- NUC polls every 15 min, confirms receipt, relay deletes
- URL: <https://sro-cloud-relay.onrender.com>

Key Architecture:

- HIPAA: Token-based de-identification. Cloud sees tokens + numbers only. All PHI on NUC.
- Clinic ID: 11111111-1111-1111-1111-111111111111
- Stack: Node.js + Express + SQLite (better-sqlite3). Plain HTML/JS frontend. No React, no build step.

- Patient links: <https://sro-cloud-relay.onrender.com/checkin.html?t=TOKEN> (no PHI in URL)

Database Tables: clinics, users, patients, episodes, checkins, pro_assessments, preop_assessments, rpm_time_logs

Nav bar links (consistent across all pages): Dashboard | PreOp | Analytics | RPM | Settings

Send-to-Patient: Dashboard and PreOp both have "Copy Check-in Link" and "Copy PreOp Link" buttons. Copies token-based cloud relay URL to clipboard. Staff pastes into text/email manually. No Twilio/SendGrid yet.

WHAT NEEDS TO BE BUILT NEXT

Phase 1 Addendum — Gap Analysis Results

The Phase 1 addendum defines SRO as an "episode command system" connecting Patient, Provider, and Nursing. The PROM Compliance Engine is the monetization wedge. Here are the gaps, prioritized:

HIGH PRIORITY (Phase 1 must-haves):

1. **ER visit / readmission capture** — Add to check-in flow ("Have you been to the ER?" / "Have you been readmitted?") + staff-facing event logger on dashboard. Critical for CMS TEAM model reporting. No DB table for adverse events yet.
2. **PROM scheduling system** — Track which PROMs are due at preop/6wk/3mo/1yr per episode. Send reminders (clipboard links for now). Flag overdue. Need a schedule table or logic tied to surgery_date in episodes table. pro_assessments table exists but nothing triggers follow-up collections.
3. **PROM compliance panel** — Dashboard view showing PROM completion rates across all patients. Which patients completed their scheduled PROMs, which are overdue. THIS IS THE WEDGE — the first thing hospitals pay for.
4. **Alert prioritization queue** — Replace simple red/yellow/green flags with a ranked alert list at top of dashboard. Stack-rank by: high pain (≥ 7), missed check-ins (> 3 days), PROM overdue, ER visit reported, workup incomplete, negative PROM trend.
5. **Episode timeline view** — Single-patient page showing ALL events chronologically: check-ins, PROMs, preop assessment, workup items, alerts, nursing notes. Currently dashboard is patient-list-centric, not episode-centric.

MEDIUM PRIORITY (Phase 1 polish):

6. **PROM trend chart** — Per-patient visualization showing KOOS/HOOS/PROMIS scores over time (preop \rightarrow 6wk \rightarrow 3mo). pro_assessments table supports this but no UI exists.

7. **Nursing notes input** — Free text + event type (phone call, clinic visit, nurse note, complication) on patient detail view. No notes table in DB yet.
8. **Auto-refresh dashboard** — Poll every 60s so dashboard updates without manual page reload.
9. **Compliance scorecard** — Per-patient card showing: check-in adherence %, PROM completion %, workup clearance status.

LOWER PRIORITY (Phase 1 nice-to-have):

10. **PDF report generation** — Episode summary export with PROMs, check-in history, alerts, preop assessment.
 11. **Task/to-do system** — Per-patient action items for care team (call patient, follow up on workup, etc.).
 12. **SMS/email reminders via Twilio** — Currently clipboard-copy only.
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FILES TO UPLOAD

Upload these files from `sro-local/` when starting work:

- `server.js` (if modifying API endpoints or DB tables)
 - `public/dashboard.html` + `public/js/dashboard.js` (if modifying dashboard)
 - `public/preop.html` (if modifying preop)
 - `public/checkin.html` (if modifying check-in flow)
 - `public/css/styles.css` (if modifying shared styles)
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IMPORTANT RULES

1. sro-local is the MAIN app. Not Netlify, not Supabase.
2. Read CONTEXT.md first every session.
3. All files go in SRO_Intelligence folder. Never scatter files.
4. Plain HTML/JS + Supabase client. No React, no Vite, no build step.
5. preop.html replaces preop-assessment.html (old file is dead, all links updated).
6. Don't recreate what's built — check first.
7. File path: OneDrive–Jefferygroup > DocProjectVault > 02_Products > SRO_Intelligence
8. NEVER blame em dash/en dash/special characters in OneDrive path for errors.