5 Data-Quality Failures Hiding in Every HIE ADT Feed

And how to catch them before state & public-health reporting breaks — without ripping out InterSystems IRIS or HealthShare.

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1. Placeholder Dates & Missing Demographics

Default dates (1900-01-01) and blank ZIP codes pass basic HL7 syntax validation while quietly breaking downstream matching and equity reporting.

2. Unmapped Assigning Authorities (PID-3)

When a clinic sends a new local OID, the HIE EMPI creates duplicate patient records overnight unless automated conformance rules flag the drift.

3. Local Visit & Diagnosis Drift

Free-text PV1 visit types and non-standard DG1 local codes pass HL7 pipes cleanly but starve public-health feeds and ACO analytics.

4. Invisible Partner Regression

An upstream EHR upgrade changes one segment field. Nobody notices until a state audit or quarterly report fails weeks later.

Start With One Feed: $7.5k Sprint

10-day fixed-fee Data-Quality Sprint (100% credited toward an 8–12 week $25k–$50k pilot).
Synthetic demo & sample report: aaronjbentley.vercel.app/kits/hdim