1. Referred patient PID record sent as HL7 message

2. ACK/NAK

3. On error Encrypted HL7 msg is stored for queueing and monitoring

4. Encrypted aes_128 Interface History (raw message parsed)

5. Web Service called to create Client record. Service calls DBLayer dll.

6. Client Record and AuxID, created (MPI) need contact type (like referral but interface)

EHR/EMR (e.g. EPIC)

Firewall

Data Warehouse DB

IPSec

-ball cloud

CSH Interface DB

CSH Interface Engine

Edge server, exposes LLP listener

DB Web Service

CRM DB
CSH to EMR Update Patient History (event or polling)

1. At set interval (timed event or poll) engine checks for updates to referred patients.

2. Check MPI for NID, PatAuxID and LastPatAuxUpdte, create interface hist record.

3. Return Pat History.

4. CSH Pat Hist is formed to HL7 msg and sent.

5. EPIC received PID hist info.

- Data Warehouse DB
- CSH Interface Engine
- Edge server, exposes LLP listener
- CSH Local Interface DB
- Firewall
- EHR/EMR (e.g. EPIC)
- CRM DB

DB Web Service