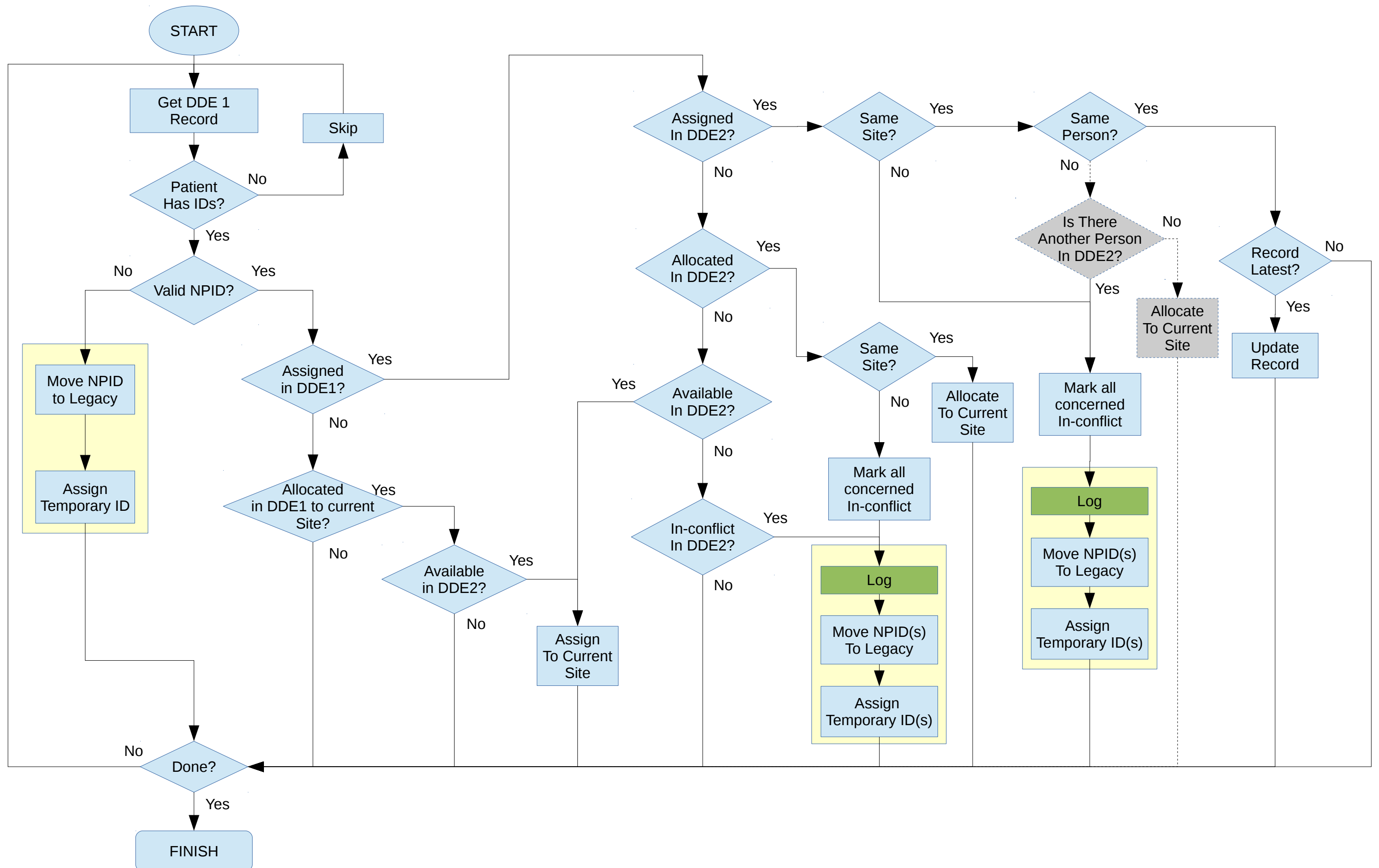# DDE 1 To DDE 2 Migration Constraints Matrix

DDE 2 Proxy \ DDE 1 Proxy	Allocated to this site	Assigned to patient	Invalid version 4 national identifier

Allocated	Skip	***Same Site***: Assign
		
		Other Site: 1. Mark in conflict
		      2. Add NPID to Legacy IDs
		      3. Append Temp. ID
			N/A

Assigned	Skip	***Same Site***: 1. If person matches & record More recent, update
		      2. If person not the same, Mark all concerned in conflict & issue Temp. IDs
		
		Other Site: 1. Mark all concerned in conflict & issue Temp. IDs
			All Sites: 1. Add NPID to Legacy IDs
			      2. Append Temp. ID

Available	Allocate	Assign	N/A
In-conflict	Skip	***All Sites***: 1. Add NPID to Legacy IDs 2. Append Temp. ID	N/A

DDE 1 To DDE 2 Migration Constraints Flow Diagram

Proposed DDE 1 SQL To DDE 2 NoSQL
Migration & Conflict National Patient Identifier Resolution: **Stage 1** - People Records Only

START

Retrieve Site MySQL Database

Dump 'people' Table Into a File

Dump 'legacy_national_ids' Table Into a File

Dump 'national_patient_identifiers' Table Into a File

Get all lines that match the patient Record pattern in the file Using Regexp

Load 'person_id' to Array of 'legacy ids' Association maps to Intermediate file using Regexp pattern matches

Load 'person_id' to 'npid' Association map to Intermediate file using Regexp pattern matches

Load 'person_id' to Array of 'legacy ids' Association maps file into A Hash-map

Load 'person_id' to 'npid' Association map file into A Hash-map

For each matching line, conduct a further match mapping of relevant fields Using Regexp

Get all relevant Legacy IDs to append And add to patient record

Get corresponding NPID From NPIDs Hash-map

No

Records Done?

Add NPID to legacy IDs

Yes

NPID Taken or in Conflict?

No

Yes

If NPID not flagged as in conflict, flag as in conflict And assign Temporary ID To Existing Record

Bulk Insert JSON file Into CouchDB Database

Add Temporary ID as Primary ID

FINISH

Add Record to JSON file