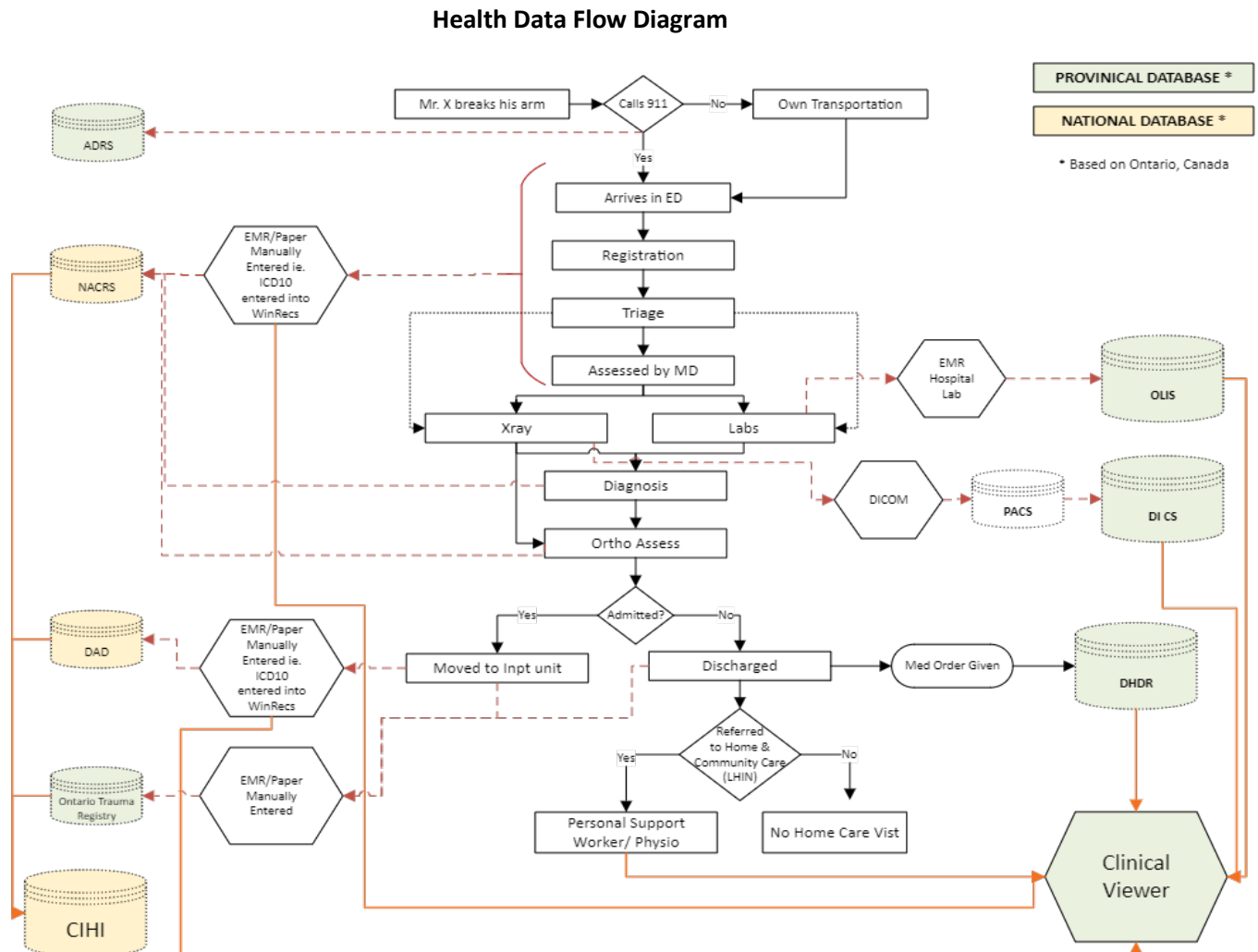# Assignment

Problem Statement:

Individual visiting the Emergency Department suffering from a broken arm at a community hospital that is part of a larger hospital network.

Solution:

Health Data Flow Diagram

PROVINICAL DATABASE *

NATIONAL DATABASE *

* Based on Ontario, Canada

Mr. X breaks his arm → Calls 911 — No → Own Transportation

ADRS

Yes

Arrives in ED

Registration

EMR/Paper Manually Entered ie. ICD10 entered into WinRecs

NACRS

Triage

Assessed by MD

EMR Hospital Lab

OLIS

Xray

Labs

Diagnosis

DICOM → PACS → DI CS

Ortho Assess

Admitted?

Yes → Moved to Inpt unit

No → Discharged → Med Order Given → DHDR

EMR/Paper Manually Entered ie. ICD10 entered into WinRecs

DAD

Referred to Home & Community Care (LHIN)

Yes → Personal Support Worker/ Physio

No → No Home Care Vist

EMR/Paper Manually Entered

Ontario Trauma Registry

CIHI

Clinical Viewer

Key Glossary:

- ICD 10 - Canadian International Classification of Disease version 10
- ADRS-Ambulance Dispatch Reporting System
- NACRS-National Ambulatory Care Reporting System
- DAD- Discharge Abstract Database
- CIHI- Canadian Institute of Health Information
- EMR-Electronic Medical Record
- PACS-Picture Archive and Communication System
- DI CS-Digital Imaging Common Service
- OLIS-Ontario Laboratories Information System
- DHDR-Digital Health Drug Repository
- DICOM-Digital Imaging and Communication