**DESIGN ARCHITECTURE (HospitalQ)**

Clients (search nearby hospital for “FLU”)

FTP

Flume

HDFS

Processing

PIG

Hive

MapReduce

Search

Flume Agents

Web Apps

Data.gov  
healthcare.gov

Twitter

MySQL

Local File System

Sqoop

Data Ingestion

DashBoards (QlikView, Tableau)

Mobile App (Suggestions of hospitals)

Hadoop Cluster (Single-Node)

Local Cache

Solr db

dbb