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Types of Data Exchanges:

GRITS Flat File Specifications

- Client File
- Immunization File
- Comment File (Optional but recommended)

Flat file uploads are executed by logging into GRITS and selecting the Data Exchange menu option. The 3 files are linked via a 24-character Record Identifier. This interface can be set to bi-directional. During bi-directional processing, if any updates occurred since the last data upload, information on the clients and their immunizations are returned.

HL7 Batch & Real-time

GRITS has implemented HL7 batch (Version 2.3 & 2.4) and HL7 Real-time (Version 2.4). PHINMS is used as the message transport system for HL7 real-time.

AEGIS Batch & Real-time - triggered from an update/add to the AEGIS immunization table.

Vital Records Loads - weekly loads of birth and death records every Friday evening.

Extract Data From GRITS

1. **HMO Query Submission** - A list of clients can be submitted to GRITS and data on the clients and any immunization for the client are returned in a text file.
2. **Organizational Extract** - Data for an organization can be extracted using selection criteria such as birth date, vaccine group, vaccine administration date and last update date. Data is returned in flat file or HL7 batch format.
3. **School Access** - Allows school users to submit list of students to generate 3231 and Immunizations Needed Reports.

Custom Interfaces:

- IDX
- MJM EncounterPro
- PRISM

- PRAXIS
- Automated Medical System (AMS)
- PaperCutPro
- Visual Data Office Practicum
- Mitchell & McCormack
- HN2
- Physician's Computer Network (PCN)
- Physician's Computer Company (PCC)

Interface Considerations:

1. Inventory Management can be done through the interfaces.
2. Double data entry can be minimized by regular upload to GRITS.
3. Organization Structure - single organization vs. parent/child organization.
4. What data is needed from GRITS?

Business Rules

1. Any immunization records received without a matching client records are discarded by the Data Exchange process.
2. File size limitation for batch uploads - Combined file size of client, immunization and comment files cannot exceed 210MB.
3. GRITS will recognize a 00 Immunization Information Source code to indicate (New) Administered Vaccine or a 01 to indicated a Historical Record.
4. Deduct from Inventory can be enabled upon request of the provider. Lot number and CPT code or Trade name must be present for deduct from inventory.

Planned Enhancements

The following items are on the GRITS Planned enhancements list:

1. College & University Certificates, Reports
2. Data Exchange Research Module