



# FLORIDA EDUCATION IDENTIFIER (FLEID)

**Presented by: Florida Education Identifier Team**

**FAMIS Summer Conference 2020**

June 30, 2020

# Agenda

- Webinar Guidelines
- FLEID Housekeeping
- Administrative Rule
- Internal Analysis
- Submission Quality
- Tips/Helpful Information
- Change Impact
- Future Priorities



# Webinar Guidelines

- Mics will be muted at the start of the presentation. If you have questions, please send a chat message and we will answer throughout the presentation as time allows.
- We have a facilitator who will assist us with the session and provide guidance as needed.
- Please e-mail us at [FLEIDProject@fldoe.org](mailto:FLEIDProject@fldoe.org) if you are unable to get a question answered during the session and we will follow-up post presentation.
- If we encounter technical difficulties on our end, please give us time to attempt to address the issue before logging off.
- If you are unable to hear us, please send a message via the chat feature to let us know.



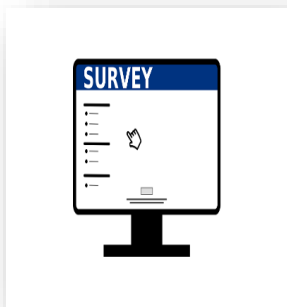
# FLEID Housekeeping



- ❖ **FDOE FLEID Sessions**
  - Introductory Session
  - Advanced Session



- ❖ **FLEID Acceptance Parameters**
  - Accepting **1415-2021**
  - District/School Enrollments



- ❖ **FAMIS Survey Feedback**
  - Provide helpful/constructive feedback.
  - Specify the presenter feedback by name.



- ❖ **FLEID Contact List Updates**
  - New Staff Contact Info.
  - Near Match Directory

# FLEID Housekeeping

## FLEID Team Members

Existing & New Members



### FLEID Resolution Agents

Shannon Stewart  
Trevor Owens

Assistance with FLEID Vault  
Updates & Quality Review



### FLEID Submission Agents

Brian Walsh  
Anthony Davis

Assistance with File Submission  
or Technical Difficulties



### FLEID Support Team

Karthik Rajendran  
Robert Jackson  
Blake Barner

Internal Team Support &  
Development Tasks

## Discussion Topics

### Administrative Rule



### Internal Verifications



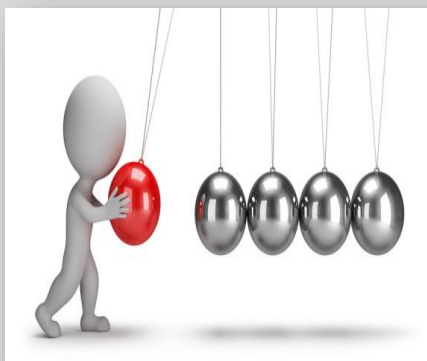
### Submission Quality



### Tips/Helpful Info.



### Change Impact



### Future Priorities



# Administrative Rule

## 6A-1.00141: Florida Education Identifier Assignment and Requirements

Implementation as of July 1, 2020

### Purpose:

The Florida Education Identifier (FLEID) system provides each student a unique identifier to be used as the primary means of identification in state and local databases. Use of the FLEID improves security of personally identifiable information and reduces potential exposure of Social Security Numbers in data management systems.

### Primary Goal:

- Reduce SSN Transferring & Protect Information
- Centralize Student & Staff Identification
- Allow for Demographic Data Quality Management



# Administrative Rule

## 6A-1.00141: Florida Education Identifier Assignment and Requirements

Implementation as of July 1, 2020

### FLEID Assignment:

- (a) A student record is required to be submitted for FLEID assignment when a student enrolls in a K-12 institution for the first time, or if the student's enrollment information has been updated or modified since initially submitted.
- (b) In order to assign an FLEID to students, school districts must provide the following information to the department: ID (SSN, Student ID, Alias ID or Local ID), Name & DOB.
- (c) Districts or institutions can log on to the department's Single Sign-On portal at [www.fldoe.org/sso](http://www.fldoe.org/sso) in order to check the status of FLEID assignment and to view or resolve issues with the records provided, including resolving close matches to existing student records.



# Administrative Rule

## 6A-1.00141: Florida Education Identifier Assignment and Requirements

Implementation as of July 1, 2020

### Assignment Impact:

- The assignment process will remain the same, with at least one identifier being required.
- The vault will be the only place that the existing student identifiers will be accepted.
- You can continue current local identification processes by generating the Student ID, Alias Student ID, and Local ID or submitting the SSN.
- The primary difference is that the current identifiers will only be accepted for FLEID assignment and the FLEID will now be the primary identifier in FDOE data collection.

# Discussion Topics

## Administrative Rule



## Internal Verifications



## Submission Quality



## Tips/Helpful Info.



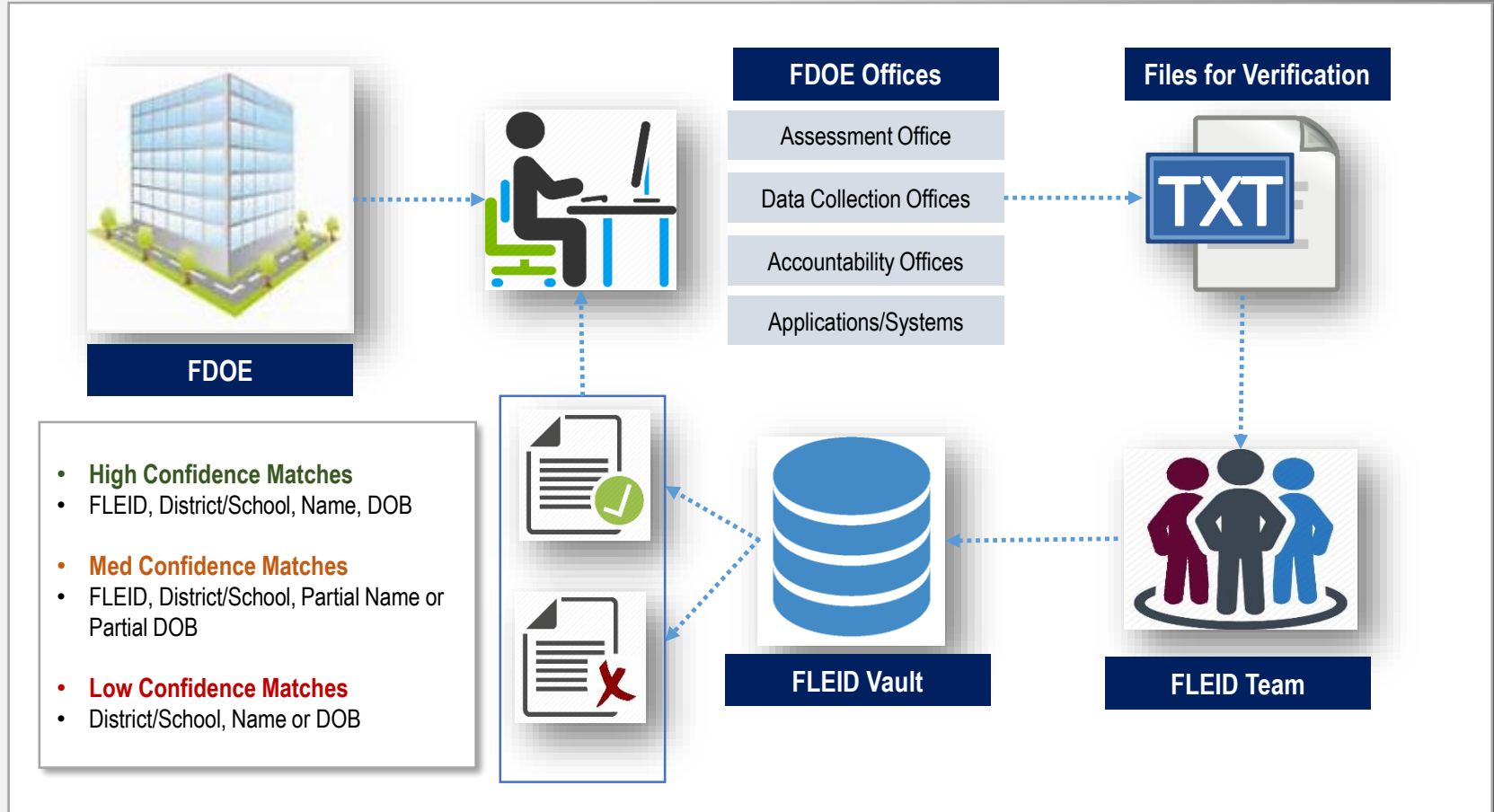
## Change Impact



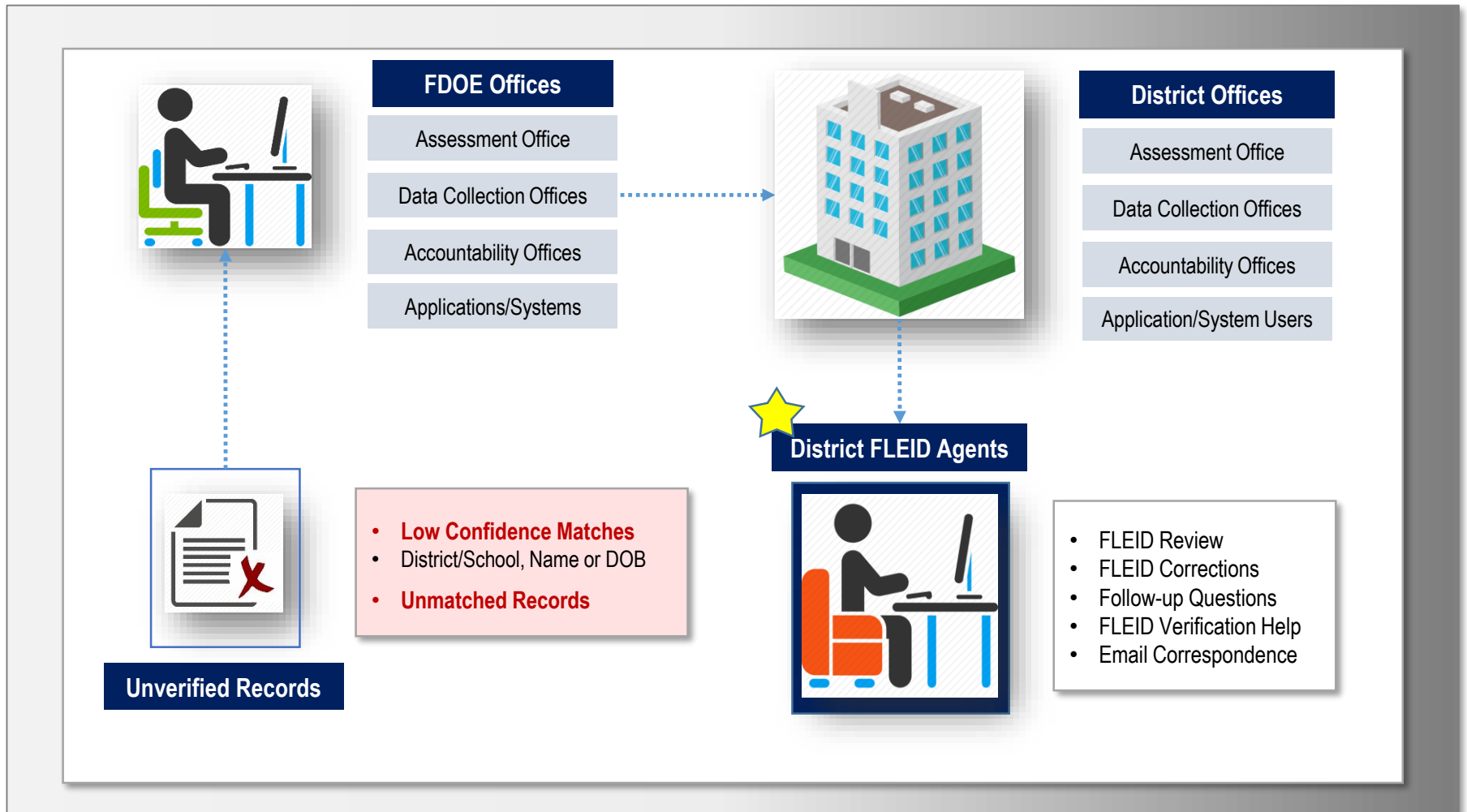
## Future Priorities



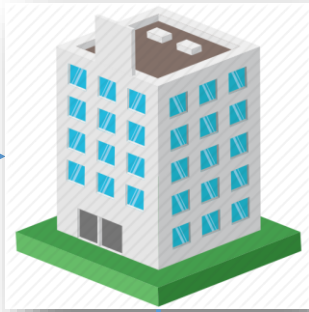
# Internal Verifications



# Internal Verifications



- FDOE Offices**
- Assessment Office
  - Data Collection Offices
  - Accountability Offices
  - Applications/Systems



- District Offices**
- Assessment Office
  - Data Collection Offices
  - Accountability Offices
  - Application/System Users

- District FLEID Agents**



- FLEID Review
- FLEID Corrections
- Follow-up Questions
- FLEID Verification Help
- Email Correspondence



**Unverified Records**

- Low Confidence Matches**
- District/School, Name or DOB
- Unmatched Records**

# Internal Verifications



Educational Data Submissions to FDOE



**\*Just because it's verified  
doesn't mean a duplicate  
doesn't exist**

- Receive Internal Data Files
- ✓ Determine if FLEID's are:
  - ✓ (1) Found in the Vault (Valid)
  - ✓ (2) Not Flagged as Retirements
  - ✓ (3) Found w/Aligning Name Info
  - ✓ (4) Found w/Aligning DOB Info
  - ✓ (5) Found w/ Aligning FLEID
- Based on the Matches:
  - High Confidence Matches
  - Medium Confidence Matches
  - Low Confidence Matches
- Results:
  - Up to **97%** were High Confidence

# Internal Verifications

## Verification Results:

- Although there is a 97-98% High Confidence Match Percentage
  - Thousands of records were found with less confidence.
  - 2-3% Medium Confidence Match Percentage
  - 0-1% Low Confidence Match Percentage

## Reasons Include:

- FLEID provided wasn't found in the vault.
- Naming & DOB inconsistencies due to typos and misspellings.
- Nicknames or shortened names can lead to misalignment
- FLEID Matches found but not for the district or district/school in the vault.
- Corrections not being captured so record alignment isn't exact.
- FLEID submitted not found but another FLEID was flagged.

## Discussion Topics

### Administrative Rule



### Internal Verifications



### Submission Quality



### Tips/Helpful Info.



### Change Impact



### Future Priorities



# Vault Submission Quality

## Current Vault Quality

- Pre-Processing Validation Edits have greatly reduced the number of submission errors and have ensured SSN formatting meets Social Security Administration (SSA) Guidelines.
  - Ex. (MMDDYYYY) 09202002 vs 20020920
  - Ex. 999999999 in the SSN column
- We will work toward creating Data Element Reference Documents similar to the Student Data Elements including the Pre-processing requirements in a more descriptive format.
- We are working towards identifying submission duplication to avoid unnecessary vault data storage increases.
- We ask that you are mindful of submitting the exact same record multiple times. If you are unaware, we will start notifying you.



# Survey Submission Quality

## Current Survey Quality



- Verifications are done on the vault after each survey closes.
- During this verification process we are able to gauge survey submission quality and provide a verification flag for internal users of the data.
- We'll take a look at the High Confidence, Medium Confidence and Low Confidence matches across the state.
- Common issues mentioned in the previous slides are valid when reviewing the survey submission quality.
- We're actively working towards collaboration with the K12 teams to establish verifications while the survey is open and changes can be made.

# Discussion Topics

## Administrative Rule



## Internal Verifications



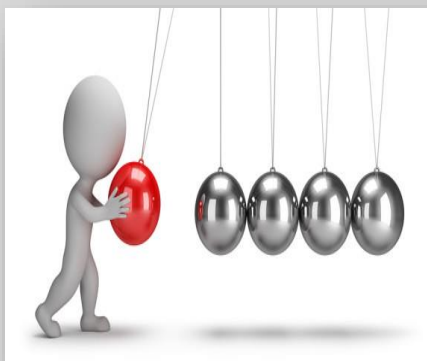
## Submission Quality



## Tips/Helpful Info.



## Change Impact



## Future Priorities



## Tips & Helpful Information



### Pointers with Issues or Scenarios Encountered

- Refrain from submitting duplicate records, please determine if records have been previously sent.
- Try to submit SSNs whenever possible because they serve as a tether identifier across all sources.
- Contact the FLEID Team in order to notify us of corrections vs submitting the corrected record.
- For retirements, keep a local log of what has been requested and why.
- Please stress to local district and school staff the importance of consistency in demographic data.
- Submit records for all district and school enrollments at least once.
- For Florida Empowerment Scholarship (FES) merging, please contact [FLEIDProject@fldoe.org](mailto:FLEIDProject@fldoe.org).
- For large numbers of OEL near matches, contact [FLEIDProject@fldoe.org](mailto:FLEIDProject@fldoe.org) for assistance.



# Future Priorities

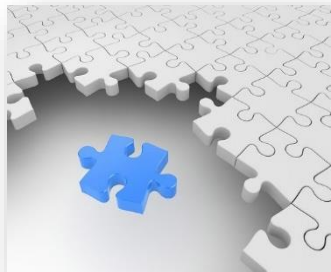
## OEL Auto Match Process



Manual Process

The OEL **Auto Match** Process has been implemented to assist districts with high numbers of near matches due to VPK students transitioning into the district without a tether identifier. This results in 100% near matches to OEL. In the event that you have 200+ Near Matches due to OEL contact us and we will assist with auto matching your records with your approval and review required.

**If it is not a near match to OEL it will be re-dropped for standard near match resolutions.**



District File



Locate OEL Matches

**Auto-Merge Matches**



Re-Drop Standard Near Matches

# Discussion Topics

## Administrative Rule



## Internal Verifications



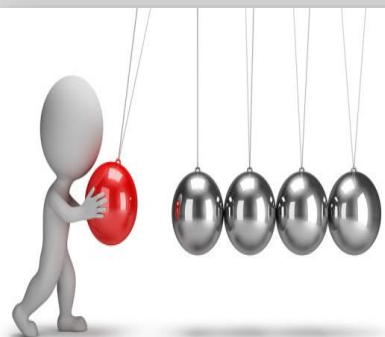
## Submission Quality



## Tips/Helpful Info.



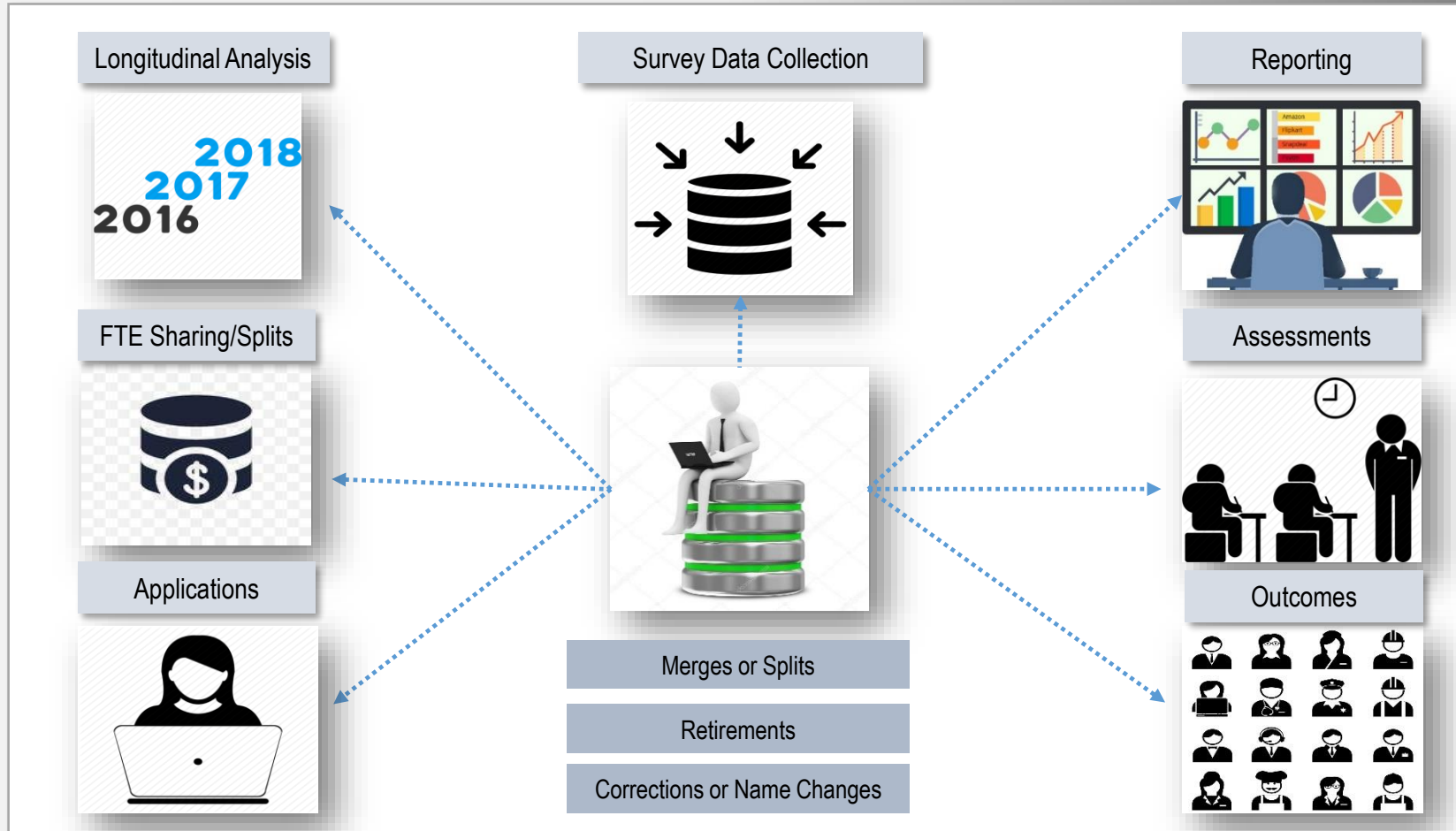
## Change Impact



## Future Priorities

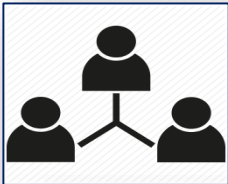


# Change Impact



# Change Impact

Longitudinal | FTE Sharing | Applications/Systems | Reporting | Survey | Assessments | Outcomes



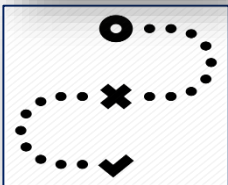
## Merges/Splits:

Student will be represented as 2 students prior to the merge and as 1 student post **merge**.  
Student will be represented as 1 student prior to the merge and as 2 students post **split**.



## Retirements

FLEID will be permanently removed from the vault and will no longer be considered valid.



## Corrections

Information associated with an FLEID will be updated due to typos or misspelling.  
\* In rare cases an auto-merge is forced once the correction has been made.



## Full or Partial Name Changes

Information associated with an FLEID will be changed based on legal changes to the Name.  
\* In rare cases an auto-merge is forced once the name change has been made.



## Discussion Topics

### Administrative Rule



### Internal Verifications



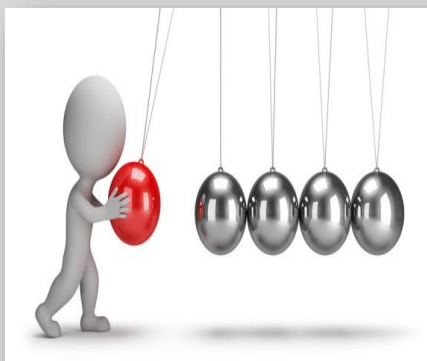
### Submission Quality



### Tips/Helpful Info.



### Change Impact



### Future Priorities





# FLEID Assignment Milestones

2014

- Process and System Configuration & Setup
- Piloting Began for K12 and FCS

2015

- Transitioned from Piloting to Implementation
- Onboarding of K12, WDIS, and FCS

2016

- Onboarding Completed & Automation/Refinements Began
- Assessments Transitioned to FLEID Collection Only



2017

- Administrative Rule Development Began
- Data Quality Analysis & Feedback Started

2018

- Infrastructure Upgrades
- Detailed Pre-Processing Edits Implemented

2019

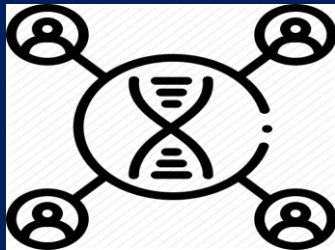
- Extensive Data Verifications Established
- Administrative Rule Submission & Approval

2020

- Administrative Rule Implementation
- Processing & Application Enhancement Planning



## Future Priorities



Enhance Match Criteria



Survey Verifications



Annual Verifications



Assignment Simulations



Enhance Application



Reports & Business Rules



Reduce Multiple FLEID's



Eliminate Vault Duplication

# Future Priorities

## Potential Processing Enhancements

- **New Robust Assignment Matching Algorithms**
  - To handle names with dashes or inconsistent punctuation.
  - To identify duplicate record submissions.
  - To identify potential duplicate FLEIDs for the same student for merging.
  - Will assist with decreasing near matches.
- **Matching & Verification Simulations**
  - Matching: To show the alignment of student records against the vault to simulate assignment.
  - Verifications: Will show whether the FLEID submitted aligns with the vault.
- **Provide Matching Percentages & Rules**
  - Can assist with near match scenarios and decision-making
  - Will show matching quality for the records submitted
  - To clearly show inconsistencies in identifying students
  - To clearly show the rules used for matching against the vault.



# Future Priorities

## Potential Application Enhancements



- **Data Resolutions:**
  - Request retirements and near match purging via the application
  - Allow corrections within the application
  - Secure FLEID resolution communication
  - Data quality graphs and charts
- **Reporting & Documentation**
  - Add pertinent documentation to a new tab for reference purposes as needed.
  - FLEID Reports detailing duplication, retirements, and corrections.
  - Business rules and data element documentation
- **Contact Information Updates**
  - Contact information updates as needed.
    - ❖ Near Match Designee updates
    - ❖ Email Notifications Contact updates
- **Additional Enhancements**
  - Link to the training website
  - Near match purge screen





[www.FLDOE.org](http://www.FLDOE.org)

Division of Technology and Innovation

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