



Intro to Data Validation

Session 973-1

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Data Validation Process

Data Input Validation

Ensuring only properly formed data is entering the database

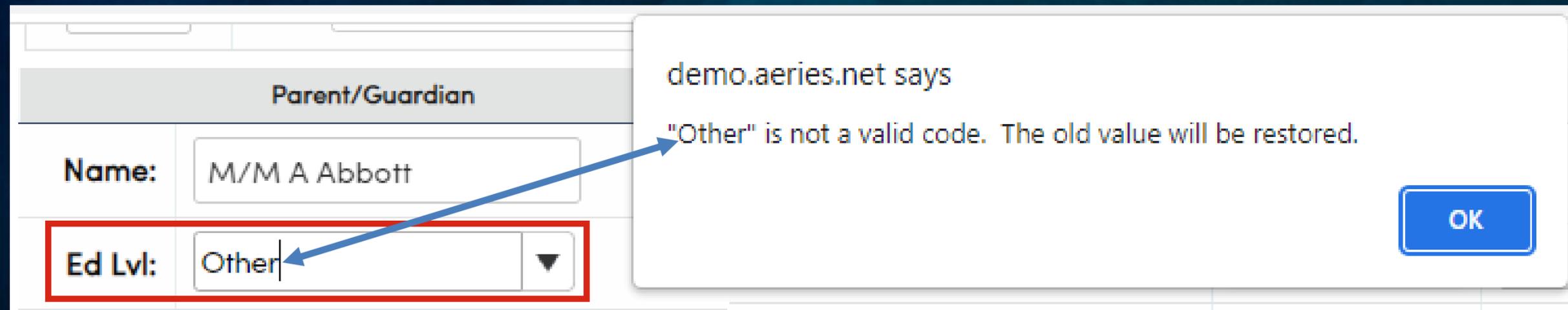
Post-Input Validation

Checking the accuracy and quality of data after it has been saved



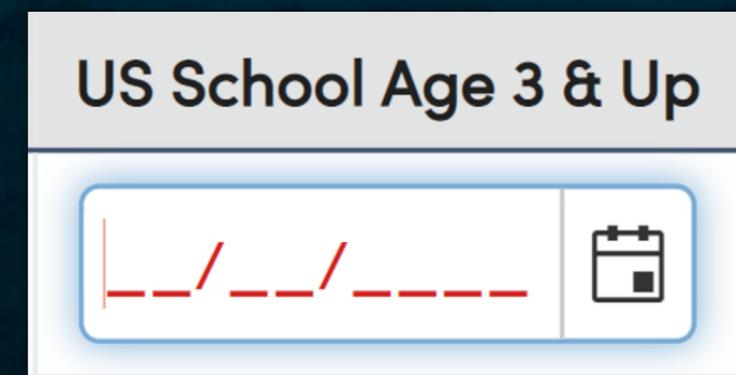
Examples of Data Input Validation

Drop-down menus - an error message will appear if a value that does not appear in the dropdown is entered into a field



The screenshot shows a web form titled "Parent/Guardian". It has two fields: "Name:" with the value "M/M A Abbott" and "Ed Lvl:" with the value "Other". The "Ed Lvl:" field is highlighted with a red border. A blue arrow points from the "Other" value in the dropdown to an error message box. The error message box contains the text: "demo.aeries.net says 'Other' is not a valid code. The old value will be restored." and an "OK" button.

Data type field recognition – prevents the input of invalid characters in the field; for example, only numbers can be entered into date fields.



The screenshot shows a date field with the label "US School Age 3 & Up". The field contains a red dashed line indicating a date format (MM/DD/YYYY). A calendar icon is visible to the right of the field.



Examples of Data Input Validation

Define Required Fields

- Require certain fields be populated to add or update a record
- Required fields are highlighted in turquoise when in edit mode
- Limited to specific tables

Required Fields

Select Table: Student Demographics - STU

Required Fields

Save

Name	Field Code	Required?	Low Value	High Value
Student#	SN	<input type="checkbox"/>		
Last Name	LN	<input checked="" type="checkbox"/>		
First Name	FN	<input checked="" type="checkbox"/>		
Middle Name	MN	<input type="checkbox"/>		
Student ID	ID	<input type="checkbox"/>		
Gender	GN	<input checked="" type="checkbox"/>		
Grade	GR	<input checked="" type="checkbox"/>		
Birthdate	BD	<input type="checkbox"/>		
Parent/guardian	PG	<input type="checkbox"/>		
Primary Phone	TI	<input type="checkbox"/>		

Stu#	Last Name	First Name	Middle Name	Suffix	Gender	Grd
1	Abbott	Allan	James		M	12



Examples of Data Input Validation

Stu#	Last Name	First Name	Middle Name	Suffix	Gender	Grd
1	Abbott	Allan	James			12

Required Fields

You must put in a valid value in the GN field.

OK

Next Prg 1 Next Prg 2

Next IntDist Next ResDist

Save Cancel Quick Print Show/Hide Legal Name



Records cannot be added or saved if a required field is blank.

Data Input Validation

Highlight State Reporting Fields - when enabled, all fields that are extracted for state reporting will be highlighted in green

Screaming Eagle High School admin

General Contact Add'l Info **Flags 4** Programs **6** User Codes

Name	First Name	Middle Name	Suffix	Gender	Grd	Age	Birthdate
Student	Allan	James		Male	12	0	

Alias	First Alias	Middle Alias	Birth Verif	Status
Alias	AJ		Hospital Certificate (2)	Active

Residence and Mailing Address Residence Address Status

1118 Glenview Lane
Eagle Rock, CA 99999 Address Not Found.

ResSchl	IntDist	ResDist	IntDist Exp Dt	SchlChoice	Name Addr Ver
Screaming Eagle High School (994)				No	8/28/2019

Telephone	Extn	Student Contact Info
Primary: (777) 555-9448		Student's Email: student@aeries.com
Father Work - Adam A: (777) 555-7537		Student's Mobile:
Stepmother Mbl - Sar: (777) 569-1498		Notification Pref:

Att Prg 1	Att Prg 2	US School Age 3 & Up	US School K-12	Dist Enter Dt	Schl Enter Dt	Schl Leave Dt	9th Grade Entry Year	Cohort
			1/1/2010	9/5/2014	9/5/2017		2016-2017	2019-2020

admin ^

Highlight State Reporting Fields

Account Settings

Change Password

Log Out



Post Input Validation

Reports - many reports in Aeries help find data inconsistencies

Aeries Query - create and customize queries to identify bad data in any table

SQL Query - create and customize queries, including those that are too complex for Aeries Query

Validations	Validate?
School CDS Code	Yes
Student Name	Yes

Eagle Unified School District			
2021-2022 CALPADS Data Audit			
Screaming Eagle High School			
Stu ID	Student Name	Grade Field	Error / Warning
SUMMARY:	E Aeries Language Fluency is different than the one in CALPADS.		1942
	E Birth Country is other than US or PR. SSD.SUS needs to be 'Y' or 'N'.		737
	E Cannot perform STU.BD vs LAC.USS validation. LAC.USS is not populated.		168
	E Could not determine if student is enrolled more than 90 days.		2
	E In Foster program, but SSD.FID is empty.		146
	E In Migrant program but SSD.MID is empty.		34
	E Offense code is empty.		1
	E Offense code requires this field to be populated.		4
	E Open PGM record from previous year. It will be in the SPRG extract with Prog Start Date = Enrollment Start Date.		146
	E Parent Education Level code is blank.		22
	E Please check your codes in STU.HL and LAC.L2.		13
	E Race code in STU.RC1 is invalid and not in COD.		19
	E Student does not have a race code.		668
	E Student enrolled more than one year and still TBD.		1
	E Student is active but has STU.USC or/and STU.LSC populated.		60



Post Input Validation – Data Validation

Run SQL queries within the Aeries interface...

Query Definition

```
1 select
2     stu.sc [SchoolCode],
3     stu.id [Student ID],
4     '' as [Description]
5 from
6     stu
7 where
8     stu.del = 0
9     and stu.bd is NULL
10    and stu.sc = @SchoolCode
11    and stu.id in (@StudentID)
```

AERIES006 - Date of Birth missing

Validation Group: AERIES_DEMO - Demographics
Key Field 1: Student ID [Link to Page 1: Students.aspx](#)
Student Related: Yes User Can Refresh: Yes
Possible Cause: Missing Date of Birth
Possible Solution: Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.

Query Definition:

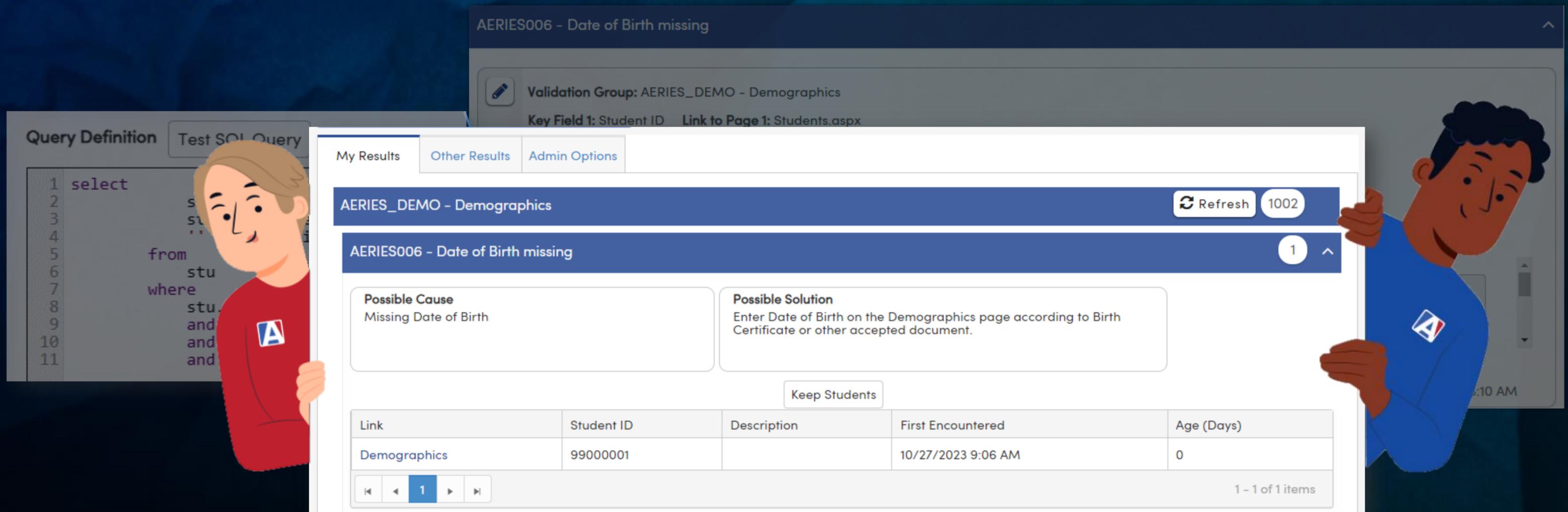
```
select
    stu.sc [SchoolCode],
    stu.id [Student ID],
    '' as [Description]
```

First Encountered: 9/27/2021 11:33:10 AM Last Encountered: 9/27/2021 11:33:10 AM Last Run Count: 1 Last Execution Time: 1 ms
[Less Info](#) ^ Last Run: 9/27/2021 11:33:10 AM



Post Input Validation – Data Validation

Run SQL queries within the Aeries interface...



The screenshot displays the Aeries interface for a data validation task. The main window is titled "AERIES006 - Date of Birth missing". It shows a validation group "AERIES_DEMO - Demographics" with a key field of "Student ID". The results are displayed in a table with columns: Link, Student ID, Description, First Encountered, and Age (Days). The table contains one row with the following data:

Link	Student ID	Description	First Encountered	Age (Days)
Demographics	99000001		10/27/2023 9:06 AM	0

Below the table, there is a "Keep Students" button and a pagination control showing "1 - 1 of 1 items". The interface also includes a "Possible Cause" section (Missing Date of Birth) and a "Possible Solution" section (Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.).

Two cartoon characters are overlaid on the screenshot: a woman in a red shirt on the left and a man in a blue shirt on the right, both holding the interface.

...and generate a user-friendly list of results



Data Validation Benefits

- Define rules for any criteria
- Run automatically or on demand
- Automatically notify staff of errors
- Use built-in definitions or create your own!



Data Validation Pages

School Info	^
Data Validation	^
Data Validation Config	
Data Validation Definitions	
Data Validation Results	

Found in "School Info" category

- 1 Data Validation Config**
- 2 Data Validation Definitions**
- 3 Data Validation Results**



System Setup

Data Validation Config



AERIESCON

Data Validation Config – System Setup

Scheduled Process – select the time and days when the Data Validation process will run

Data Validation Config

System Setup

Scheduled Process Save

Days to run process:

Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday

Time: Time of day to run the process on each selected day. Scheduled processes may begin up to 10 minutes after their scheduled value.

Status: **Enabled**

[Disable Scheduled Process](#)

*Enabling the scheduled process will automatically process all active Data Validations on the selected days and time.

Aeries Defaults

i Aeries has a set of sample Validation Definitions to help you get started.

[Add/Update Defaults](#)



Data Validation Config – System Setup

Aeries Defaults – Click to install the Aeries default validation definitions and groups

Data Validation Config

System Setup

Scheduled Process Save

Days to run process:

Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday

Time: Time of day to run the process on each selected day. Scheduled processes may begin up to 10 minutes after their scheduled value.

Status: **Enabled**

[Disable Scheduled Process](#)

*Enabling the scheduled process will automatically process all active Data Validations on the selected days and time.

Aeries Defaults

i Aeries has a set of sample Validation Definitions to help you get started.

[Add/Update Defaults](#)



Data Validation Groups

Data Validation Config



AERIESCON

**Data Validation
Definitions are organized
into different Data
Validation Groups**



Clicking
"Add/Update
Defaults" adds
12 sample Data
Validation
Groups for you
to start with

The screenshot shows the 'Aeries Defaults' configuration page. At the top, there is a blue header with the text 'Aeries Defaults'. Below the header is a light blue information box with an 'i' icon and the text 'Aeries has a set of sample Validation Definitions to help you get started.' To the right of this box is a blue button labeled 'Add/Update Defaults'. A blue arrow points from this button down to a 'Data Validation Config' section. Under this section, there is a 'System Setup' area and a 'Data Validation Group' dropdown menu. The dropdown menu is open, showing a list of options: 'Please Select One', 'AERIES_CON - Contacts', 'AERIES_CRG - Courses', 'AERIES_DEMO - Demographics', 'AERIES_DISC - Assertive Discipline', 'AERIES_ENR - Enrollment', 'AERIES_LANG - Language Assessment', and 'AERIES_MST - Master Schedule'. Below the dropdown is a 'Data Validation Group Details' section.



Aeries Default Groups



AERIES_ENR	Enrollment
AERIES_DEMO	Demographics
AERIES_PGM	Programs
AERIES_MST	Master Schedule
AERIES_SMS	Scheduling Master Schedule
AERIES_LANG	Language Assessment
AERIES_CON	Contacts
AERIES_TRX	Transcripts
AERIES_DISC	Assertive Discipline
AERIES_CRIS	Courses
AERIES_SETUP	Aeries Setup
AERIES_STF	Staff



Data Validation Groups

Select a Data Validation Group

Select the schools where the definitions in this group will run

Select any Responsible Groups

Select any Responsible Users

All definitions in this group will be listed here

Data Validation Config

System Setup

Data Validation Group **AERIES_DISC - Assertive Discipline**

Data Validation Group Details

Short Name: AERIES_DISC

Description: Assertive Discipline

Visibility Scope: School

Security Area: Assertive Discipline (ADS)

Disabled:

Last Run Count: 581

Schools Responsible Groups Responsible Users Validation Definitions

Use the [Data Validation Definitions](#) page to edit and manage these items

AERIES031 - Missing Incident ID

User Name	Last Name
admin	

Responsible Groups & Responsible Users come from UGN

Pages Reports Favorites

security

Security

Users

Groups



Data Validation Definitions



Data Validation Definitions

The screenshot shows a web application interface for managing data validation definitions. At the top, there is a header "Data Validation Definitions" with a star icon. Below this is a "Filter Options" section with a blue background, containing checkboxes for "Only Active" and "Only Student-Related", a "Group ID" dropdown menu set to "AERIES_CON - Contacts", and a "Search Text" input field. To the right of the filter options are "Apply" and "Reset" buttons. Below the filter options is a "Validation Definitions" section with a blue background and an "Add" button. The main content area displays a list of validation definitions. The first definition is expanded, showing details for "AERIES032 - Missing Ed Rights Holder Contact". This definition includes a pencil icon for editing, the validation group name, key fields, student-related status, user refresh status, a possible cause, and a possible solution. At the bottom right of this definition is a "Last Run: Never" status. Below the expanded definition is a list of other validation definitions, each with a dropdown arrow: "AERIES033 - Invalid Contact Email Address", "AERIES035 - No Communications Contact", "AERIES036 - Communications Contact Missing First Name or Last Name", and "AERIES037 - Parent Account Email not on any Contact".

Data Validation Definitions

Filter Options Apply Reset

Only Active Only Student-Related Group ID: AERIES_CON - Contacts Search Text:

Validation Definitions + Add

AERIES032 - Missing Ed Rights Holder Contact ^

Validation Group: AERIES_CON - Contacts
Key Field 1: Student ID [Link to Page 1: EmergencyContacts.aspx](#)
Student Related: Yes User Can Refresh: Yes

Possible Cause: An error will generate if a student doesn't have a valid **Contact** record. The student should have at least one contact with Educational Rights (CON.ERH = Y).

Possible Solution: Verify that the student's Contact information is updated. Verify that there is at least one Contact record with the Educational Rights Holder flag set to Yes

[More Info](#) ▼ Last Run: Never

AERIES033 - Invalid Contact Email Address ▼

AERIES035 - No Communications Contact ▼

AERIES036 - Communications Contact Missing First Name or Last Name ▼

AERIES037 - Parent Account Email not on any Contact ▼

On this page you can:

- view existing definitions
- edit existing definitions
- create custom definitions

Note: This page is only available to admin type accounts



Clicking "Add/Update Defaults" adds 44 Data Validation Definitions

Aeries Defaults

 Aeries has a set of sample Validation Definitions to help you get started.

[Add/Update Defaults](#)

Data Validation Definitions

Filter Options Apply Reset

Only Active Only Student-Related Group ID: All Groups Search Text:

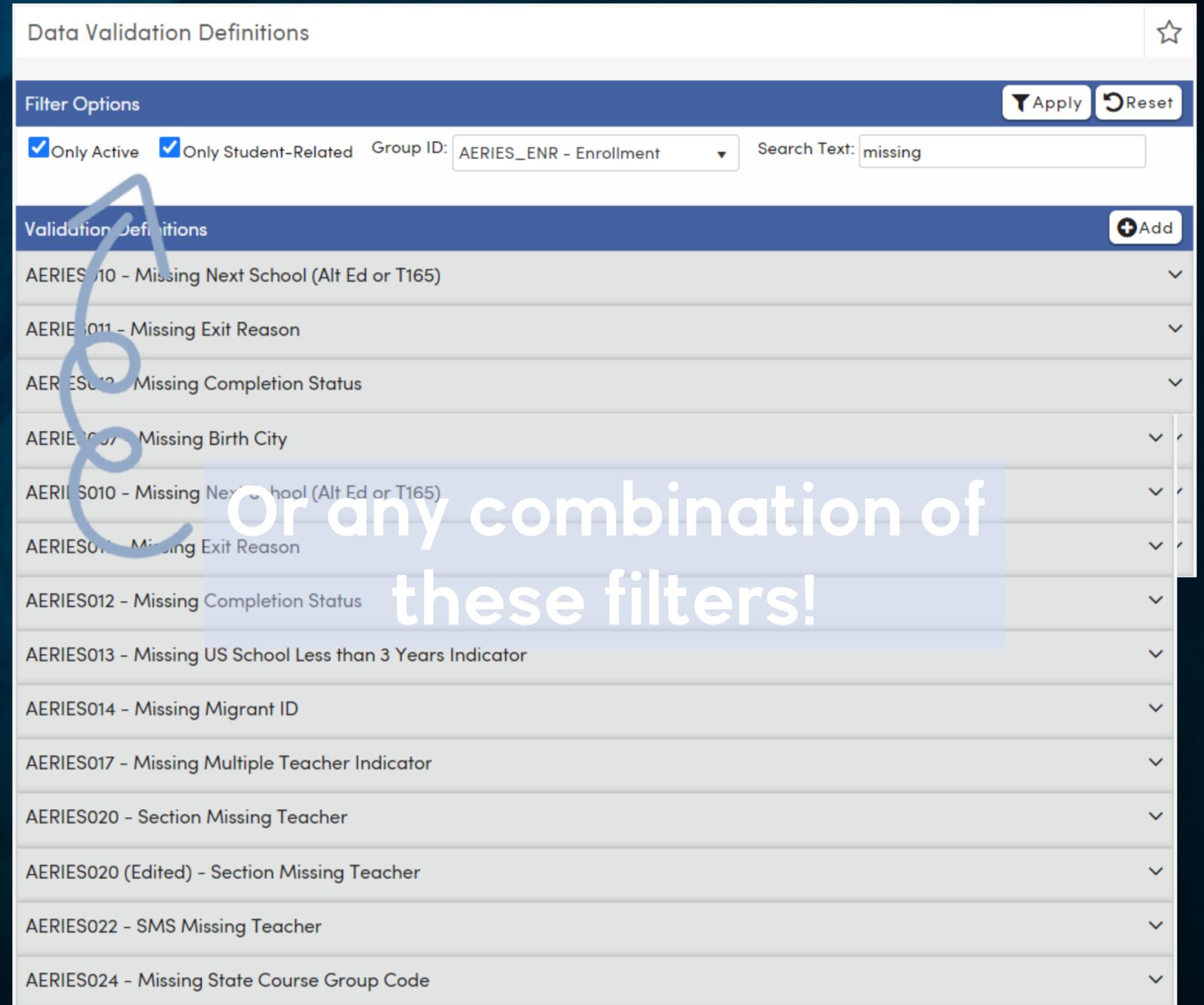
Validation Definitions + Add

AERIES001 - Concurrent Primary Enrollments	▼
AERIES002 - Multiple Pre-Enrolled Records	▼
AERIES003 - Next Grade Invalid for Next School	▼
AERIES004 - Missing Counselor/Teacher field	▼
AERIES005 - Missing CDS Code	▼
AERIES006 - Date of Birth missing	▼
AERIES007 - Missing Birth City	▼
AERIES008 - Invalid Birth State	▼
AERIES009 - Invalid Birth Country	▼
AERIES010 - Missing Next School (Alt Ed or T165)	▼
AERIES011 - Missing Exit Reason	▼
AERIES012 - Missing Completion Status	▼
AERIES013 - Missing US School Less than 3 Years Indicator	▼
AERIES014 - Missing Migrant ID	▼



Data Validation Definitions

- View all definitions
- Limit to active definitions
- Limit to student-related definitions
- Limit definitions by group
- Search definitions by title



The screenshot shows the 'Data Validation Definitions' interface. At the top, there are filter options: 'Only Active' and 'Only Student-Related' (both checked), 'Group ID' set to 'AERIES_ENR - Enrollment', and a 'Search Text' field containing 'missing'. Below the filters is a list of validation definitions, each with a dropdown arrow on the right. A blue callout box with a white border and a blue arrow points to the 'AERIES010 - Missing Next School (Alt Ed or T165)' entry. The text 'Or any combination of these filters!' is overlaid on the callout box.

Validation Definition	Action
AERIES010 - Missing Next School (Alt Ed or T165)	▼
AERIES011 - Missing Exit Reason	▼
AERIES012 - Missing Completion Status	▼
AERIES013 - Missing Birth City	▼
AERIES014 - Missing Next School (Alt Ed or T165)	▼
AERIES015 - Missing Exit Reason	▼
AERIES016 - Missing Completion Status	▼
AERIES017 - Missing US School Less than 3 Years Indicator	▼
AERIES018 - Missing Migrant ID	▼
AERIES019 - Missing Multiple Teacher Indicator	▼
AERIES020 - Section Missing Teacher	▼
AERIES020 (Edited) - Section Missing Teacher	▼
AERIES021 - SMS Missing Teacher	▼
AERIES022 - SMS Missing Teacher	▼
AERIES023 - Missing State Course Group Code	▼
AERIES024 - Missing State Course Group Code	▼





Filter Options

Apply

Reset

 Only Active Only Student-Related

Group ID: All Groups

Search Text:

Validation Definitions

+ Add

AERIES001 - Concurrent Primary Enrollments

AERIES002 - Multiple Pre-Enrolled Records



Validation Group: AERIES_ENR - Enrollment

Key Field 1: Student ID [Link to Page 1: Students.aspx](#)

Student Related: Yes User Can Refresh: Yes

Possible Cause: The student is pre-enrolled in another school in addition to this school. A student may be pre-enrolled in only one school at a time.

Possible Solution: If the student should not be pre-enrolled in this school, either inactivate or delete the student record. If the student should be pre-enrolled in this school, contact the other school listed and have them either inactivate or delete the student record. Note: Do NOT delete the student record if the student has attendance/enrollment at this school in the current year.

Query Definition:

```
SELECT
    S1.SC [SchoolCode],
    S1.ID [Student ID],
    'Student also pre-enrolled at ' + LOC.NM + ' (' + cast(LOC.CD AS varchar) + ')' [Description]
```

Last Run Count: 0 Last Execution Time: 3 ms

[Less Info ^](#)

Last Run: 11/6/2023 9:53:14 AM

AERIES003 - Next Grade Invalid for Next School



Click on a
definition to
view more
details



AERIESCON

Definitions - Field Descriptions

Give your definition a **short name** and a **description**

Which **Validation Group** members are responsible for correcting this error?

NOTE: This also determines the scope

Key Field 1 is required

Key Field 2 is optional

These fields will display on the **Data Validation Results** page

Links to pages within Aeries to help the user clear the error

If this message appears, **deep linking** is supported

Add Validation Definition

Short Name ShortName	Description A Description of this Error	Validation Group Group - Data Validation Group			
Key Field 1 Required	Key Field 2 Optional	Link to Page 1 Page.aspx	Link to Page 2 --Select One--		
Severity Level --Select One--	Student Related? <input checked="" type="checkbox"/>	User Can Refresh? <input checked="" type="checkbox"/>	Disabled? <input type="checkbox"/>	Start Date [Calendar Icon]	End Date [Calendar Icon]

Query String Params: sq

Severity Level is for **information only**. You can add custom values in the COD table

If this definition is **student related**, check this box

To allow **users to refresh their results**, check this box

To **exclude this definition** from running, check this box

To have this definition **run within a date range**, enter the start and end date



Definitions - Field Descriptions

Give your definition a **short name** and a **description**

Which **Validation Group** members are responsible for correcting this error?

NOTE: This also determines the scope

Key Field 1 is required

Key Field 2 is optional

These fields will display on the **Data Validation Results** page

Links to pages within Aeries to help the user clear the error

If this message appears, **deep linking** is supported

Add Validation Definition

Short Name ShortName	Description A Description of this Error	Validation Group Group - Data Validation Group ▼			
Key Field 1 Required	Key Field 2 Optional	Link to Page 1 Page.aspx ▼	Link to Page 2 --Select One-- ▼		
Severity Level --Select One-- ▼	Student Related? <input checked="" type="checkbox"/>	User Can Refresh? <input checked="" type="checkbox"/>	Disabled? <input type="checkbox"/>	Start Date [Calendar Icon]	End Date [Calendar Icon]

Query String Params: sq

Severity Level is for **information only**. You can add custom values in the COD table

If this definition is **student related**, check this box

To allow **users to refresh their results**, check this box

To **exclude this definition** from running, check this box

To have this definition **run within a date range**, enter the start and end date



Definitions - Cause, Solution, and Query

What is the error?

How is the error resolved?

HTML formatting is supported

The screenshot shows the 'Add Validation Definition' dialog box with three main sections: 'Possible Cause', 'Possible Solution', and 'Query Definition'. Each section has a 'Format' dropdown and a rich text editor with a toolbar containing icons for bold, italic, underline, text color, background color, bulleted list, numbered list, link, unlink, image, table, and code. The 'Possible Cause' section contains the text: 'A description displayed to the end users on the results page on what might be the cause.' The 'Possible Solution' section contains the text: 'A description displayed to the end users on the results page on what might be the solution to this problem, or how us issue.' The 'Query Definition' section has a 'Test SQL Query' button and a text area containing a numbered list from 1 to 10. At the bottom of the dialog are 'Save' and 'Cancel' buttons. A dashed blue line connects the 'Possible Cause' section to the SQL editor. A callout box on the right contains the text: 'You will need to reference the definition details to create your SQL script'.



Data Validation Results



Data Validation Results

The My Results tab displays the current user's errors

Data Validation Results

 Only results for the current school are shown

My Results Other Results Admin Options

AERIES_CON - Contacts Refresh 769

AERIES032 - Missing Ed Rights Holder Contact	645	▼
AERIES035 - No Communications Contact	3	▼
AERIES036 - Communications Contact Missing First Name or Last Name	12	▼
AERIES037 - Parent Account Email not on any Contact	100	▼
AERIES039 - Inconsistent Contact Data between Communications Contacts	9	▼



Data Validation Results

The Other Results tab displays all other errors the current user has access to

Data Validation Results

 Only results for the current school are shown

My Results Other Results Admin Options

AERIES_DEMO - Demographics	908
AERIES004 - Missing Counselor/Teacher field	1
AERIES007 - Missing Birth City	151
AERIES013 - Missing US School Less than 3 Years Indicator	756
AERIES_DISC - Assertive Discipline	0
AERIES_ENR - Enrollment	3



Data Validation Results

The Admin Options tab allows admin users to refresh the results on demand

Data Validation Results

i Only results for the current school are shown

My Results Other Results **Admin Options**

Refresh All Results

***** Refresh the results for all active Data Validation Groups at all schools. This process may take a long time to run.

i Process Last Run: 9/21/2021 10:38:25 AM

Send Email Notifications to Responsible Users Email Me When Process Is Complete

Refresh All Results



Data Validation Results

Results display by **Validation Group**

Number of results display by group & by **individual rule**

Click on any definition title to **view details** and resulting records

Click the page **link** to be taken directly to the record that needs correcting (in a new tab)

Data Validation Results

i Only results for the current school are shown

My Results Other Results Admin Options

AERIES_DEMO - Demographics Refresh 21

AERIES004 - Missing Counselor/Teacher field 20

AERIES006 - Date of Birth missing 1

Possible Cause
Missing Date of Birth

Possible Solution
Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.

Keep Students

Link	Student ID	Description	First Encountered	Age (Days)
Demographics	99400973		9/27/2021 11:33 AM	0

1 - 1 of 1 items

AERIES_MST - Master Schedule Refresh 12

AERIES019 - Inactive Course in Master Schedule 12

Keep the listed students for easier data correction.

Keep Students

[Demographics](#)



Data Validation Results - My Results

Each Data Validation Group's responsible users will receive an email summary after the scheduled process completes.

These results will display on the **My Results** tab on the Data Validation Results page

If configured, users can **refresh** their results by group

The screenshot shows the 'Data Validation Results' page. At the top, there is a header 'Data Validation Results'. Below it, a blue information box states 'Only results for the current school are shown'. There are three tabs: 'My Results' (selected), 'Other Results', and 'Admin Options'. At the bottom, a blue bar displays 'AERIES_LANG - Language Assessment', a 'Refresh' button with a circular arrow icon, and a count of '578'.

Dear admin,

Below is your summary of the current Aeries Data Validation results.

AERIES_ENR - Enrollment

School	Count
Golden Eagle Elementary School(990)	3
Aeries Continuation School(995)	224
Eagle Flight School(996)	1

AERIES_STF - Staff

School	Count
Eagle Unified School District	324

Please login to Aeries and go to the Data Validation Results page to see details of the issues that need your attention.



Data Validation Results

Additional Information

- Users will need READ permission to DVR to view this page
- Users can only see results for data they have permission to view **based on the Data Validation Group**
- Users can only see results for schools they have access to



Creating Definitions



AERIESCON

Data Validation Config



System Setup

Scheduled Process

Save

Days to run process:

- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

Time:

Time of day to run the process on each selected day. Scheduled processes may begin up to 10 minutes after their scheduled value.

8:00 PM



Status: **Enabled**

Disable Scheduled Process

*Enabling the scheduled process will automatically p selected days and time.

Add/Update Defaults to restore the original definition

Aeries Defaults



Aeries has a set of sample Validation Definitions to help you get started.

Add/Update Defaults

AERIES004 (Edited) - Missing Counselor/Teacher field

AERIES005 - Missing CDS Code

AERIES006 - Date of Birth missing



Editing Existing Definitions

Check the “Disabled?” box to exclude a definition from running

Edit Validation Definition

Short Name	Description	Validation Group			
AERIES003	Next Grade Invalid for Next School	AERIES_ENR - Enrollment			
Key Field 1	Key Field 2	Link to Page 1	Link to Page 2		
Student ID	Next Grade	Students.aspx	--Select One--		
Severity Level	Student Related?	User Can Refresh?	Disabled?	Start Date	End Date
--Select One--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Possible Cause					
Next Grade (STU.NG) falls outside of the allowable grade range of the student's Next School (STU.NS).					
Possible Solution					
Format					
Save Cancel Delete					

Validation Definitions + Add

AERIES001 - Concurrent Primary Enrollments	▼
AERIES002 - Multiple Pre-Enrolled Records	▼
AERIES003 - Next Grade Invalid for Next School	Disabled ▼

Definitions will be labeled with “Disabled” if this box is checked



Editing Existing Definitions

Populate the Start Date and End Date fields for definitions that only need to run within a specific time frame

Edit Validation Definition

Short Name	Description	Validation Group			
AERIES022	SMS Missing Teacher	AERIES_SMS - Scheduling M...			
Key Field 1	Key Field 2	Link to Page 1	Link to Page 2		
Section Number		SchedulingMaster.aspx	--Select One--		
Severity Level	Student Related?	User Can Refresh?	Disabled?	Start Date	End Date
--Select One--	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	03/18/2024	08/01/2024

Possible Cause

Possible Solution

Save Cancel Delete

Validation Definitions + Add

- AERIES020 - Section Missing Teacher
- AERIES022 - SMS Missing Teacher

Inactive Date Range

Definitions will be labeled with "Inactive Date Range" if outside of the specified dates

Copy an Aeries Default

Rather than creating a new definition from scratch, you can use an existing Aeries default definition as a guide

Just find an Aeries default definition with a similar definition, make the desired changes, and then download the Aeries Defaults again

Let's copy a default definition to create a new definition for missing student emails (in STU.SEM)



Copy a default definition

Find a similar Definition

Edit the details

Adjust the SQL query

Save Changes

Download the Defaults

AERIES006 is a good starting point – simple query & is student-related

AERIES006 - Date of Birth missing

 Validation Group: AERIES_DEMO - Demographics
Key Field 1: Student ID Link to Page 1: Students.aspx
Student Related: Yes User Can Refresh: Yes
Possible Cause: Missing Date of Birth
Possible Solution: Enter Date of Birth on the Demographics page according to Birth Certificate or other accepted document.

Query Definition:

```
select
    stu.sc [SchoolCode],
    stu.id [Student ID],
    '' as [Description]
```

First Encountered: 10/27/2023 9:06:08 AM Last Encountered: 11/3/2023 8:51:54 AM Last Run Count: 1 Last Execution Time: 1 ms
[Less Info](#) ^

Last Run: 11/3/2023 8:51:54 AM



Copy a default definition

Find a similar Definition

Edit the details

Adjust the SQL query

Save Changes

Download the Defaults

Rename the definition & change references of “birthdate” to “e-mail”

Edit Validation Definition

Short Name	Description	Validation Group
STU001	E-mail missing	AERIES_DEMO - Demograph...

Key Field 1	Key Field 2	Link to Page 1	Link to Page 2
Student ID		Students.aspx	--Select One--

Severity Level	Student Related?	User Can Refresh?	Disabled?	Start Date	End Date
--Select One--	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Possible Cause

Format

Missing E-mail

Rich Text Editor: B I U abc [List Icons] [Link Icon] [Image Icon] [Table Icon] A </>



Copy a default definition

TIP: If you're not sure about a field code, use the grid overlay or Database Definitions to help!

```
Query Definition Test SQL Query
2      stu.sc [SchoolCode],
3      stu.id [Student ID],
4      stu.as [Description]
5      stu
6      stu
7      where
8      stu.del = 0
9      and stu.sem = ''
10     and stu.sc = @SchoolCode
11     and stu.id in (@StudentID)
```

Download the Defaults

Save Changes

Adjust the SQL query

Edit Test Code

Find a similar Definition

Adjust WHERE clause to find blank

SEM values instead of NULL

on thruates(BD)



Copy a default definition

Find a similar Definition

Edit the details

Adjust the SQL query

Save Changes

Download the Defaults

You'll no longer see AERIES006 on the Definitions page, but STU001 has

Filter Options		Apply	Reset
<input type="checkbox"/> Only Active	<input type="checkbox"/> Only Student-Related	Group ID: AERIES_DEMO - Demograph...	Search Text: <input type="text"/>
Validation Definitions		Add	
AERIES004 (Edited) - Missing Counselor/Teacher field			▼
AERIES007 - Missing Birth City			▼
AERIES008 - Invalid Birth State			▼
AERIES009 - Invalid Birth Country			▼
AERIES013 - Missing US School Less than 3 Years Indicator			▼
AERIES034 - Invalid Student Birthdate			▼
AERIES043 - Next Grade does not exist in Current School			▼
AERIES044 - Next Teacher does not exist in Next School			▼
STU001 - E-mail missing			▼

Copy a default definition

Find a similar Definition

Edit the details

Adjust the SQL query

Save Changes

Download the Defaults

Click Add/Update Defaults on the Config page to get AERIES006 back!

Validation Definitions + Add

- AERIES004 (Edited) - Missing Counselor/Teacher field
- AERIES006 - Date of Birth missing
- AERIES007 - Missing Birth City
- AERIES008 - Invalid Birth
- AERIES009 - Invalid Birth
- AERIES013 - Missing US
- AERIES034 - Invalid Stu
- AERIES043 - Next Grade
- AERIES044 - Next Teacher does not exist in Next School
- STU001 - E-mail missing

Aeries Defaults

i Aeries has a set of sample Validation Definitions to help you get started.

Add/Update Defaults

Use an Aeries Query

Have an Aeries query that you already run to validate data?

The screenshot displays the Aeries Query interface. At the top, a text box contains the query: `LIST STU ID IF ((GR + 1)) # NG`. Below this, a status bar indicates "Results Have Opened in a New Window" and includes a checkbox for "Include Inactive Students". The interface is divided into several sections: "COMMANDS" (LIST, TOTAL, SKIP, KEEP, CHANGE), "TABLES" (AHC, AHD, AHS, ANA, ANC), "FIELDS" (STU, STU.DEL, STU.TG, STU.GR, STU.LN, STU.FN, STU.SC), and "SPECIAL" (Description, Full Name, Middle Initial, New Line, Barcode, Day Value, Month Value, Year Value, # Years Ago (Age), of an Extended Field, of an Extended Field, Start Math, Stop Math, Open Parenth). A "Query" window is open, showing the same query as the main editor. A blue arrow points from the "Show SQL" button to the SQL query in the window: `SELECT TOP 100000 [STU].[ID] AS [Student ID] FROM (SELECT [STU].* FROM STU WHERE [STU].DEL = 0) STU WHERE (NOT STU.TG > ' ') AND ((([STU].[GR] + 1)) <> [STU].[NG]) AND [STU].SC = 994 ORDER BY [STU].[LN], [STU].[FN];`

Click the “Show SQL” button on the Query page to display the SQL equivalent.

This can then be used in a Data Validation Definition with some slight adjustments





Recommended Sessions

Aeries Query

- 250 – Basics of Query
- 255 – Intermediate Query
- 265 – Multi-Table Queries
- 270 – Advanced Query
- 272 - Flex Queries

SQL Query

- 940 – SQL Query Basic
- 950 - SQL Intermediate Query
- 1002 – SQL Query Advanced

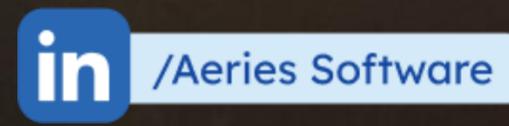
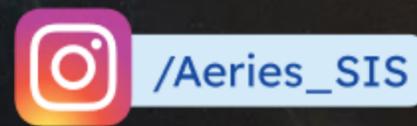
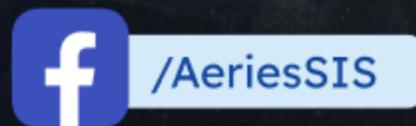
Data Validation

- 973-2 Advanced Data Validation

THANK YOU!

Please take a moment to complete our session survey.

<http://surveys.aeries.com/s3/AeriesCon-Session-Feedback-Survey-Spring-2024>



AERIESCON

Share your Feedback:



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