

White Paper Describing

MARS System Seven

**MARS Opportunity Seven
MARS Intel Reporter Seven**

MARS Phobos is described in detail in another document.



This is a draft document as of October 28, 2012. Some elements are subject to change.

This paper is designed to provide detailed information as to the features, benefits and general operational capability of MARS System 7

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General Description of MARS System 7

MARS System Seven is collection of three (3) applications, plus utility programs to facilitate management and reporting of data from special student populations, such as McKinney-Vento Homeless, Foster, Healthy Start, Neglected/Delinquent, and other student populations where services and other membership characteristics are delivered in a similar manner.

1. For a District/LEA that manages one or many programs within a common district network, the MARS Opportunity Seven deployment option combines a versatile Case Management application with a vastly improved, and highly intuitive MARS Intel Reporter Seven.
2. For a County Office of Education, Educational Services District or Consortium that must collect program data from a number of outlying districts with restrictions on sensitive data transfer, the MARS Phobos system allows outlying districts to transmit a single encrypted student ID number along with related services and program participation characteristics... no sensitive data other than the ID is transmitted.

Reporting and site control is from MARS Intel Reporter Seven, and site input is through a freely distributed MARS Phobos application, or optionally, any edition of MARS Opportunity 7 (including the "free" MARS Opportunity 7 LE). MARS Phobos is described in detail within another document.

3. For existing MARS Opportunity 5 and 6 systems that just don't want to change from what they are already accustomed, MARS Intel Reporter Seven is available independently as an upgrade providing a highly intuitive reporting system. Gone are the days of exporting into a spreadsheet and then eliminating unwanted data for a given report.

We have taken the things that make sense from user's "wish lists" of previous MARS systems, and combined them with features that were not even imaginable in the older versions.

Here is a partial list of changes and benefits in the new MARS System Seven:

For people who enter students, program participation data, services and contact information (MARS Opportunity Seven):

- The user experiences a faster "feel" in the application.
- Both the data entry (MARS Opportunity 7) and the reporting portion (MARS Intel 7) are fully integrated into one application.
- There is only one (1) screen for selecting and editing information.
- There are express entry screens for entering "spreadsheet style," services for consecutive entry of services... pick a student and select a service, then go to the next line.
- A similar express screen is available for logging contacts.
- Logs are displayed and editable from the main case manager screen.
- User preferences allow each user to set the default start screen... case managers can choose the main Case Management screen, service providers can choose the Express Service Entry.. so on.
- Extensive reports for student list, or individual student information are immediately available, for active/inactive student list, Case Manager's student list, or list by program characteristic.
- We've added six (6) custom Yes/No fields for a total of 5 custom list fields, and 10 custom Yes/No Fields.

- Additional “Other ID” number field has been added to use for state or other district student ID.
- Primary Night Residence field is now with both the family and/or individual student... you may use both.
- Students can be placed into virtual Membership Groups.

For people who report from MARS (MARS Intel Reporter Seven):

- With MARS Intel Reporter, administrators, evaluators and research people work with data in a spreadsheet style, in a “*what you pick is what you get*” environment.
- Right click on a cell and filter by the cell value with a single mouse click. Place filter upon filters..
- Clean split screen user interface... spreadsheet data on top, selected report on bottom of screen.
- Report template reflect whatever data is in the filtered data spreadsheet. Available reports templates for specific MARS Data List now in the system are in the hundreds.
- Services can be put into groups and saved. So, you can attribute Gas Cards and Bus Tickets to “Homeless EOY: Transportation,” and the same services plus other services could also apply to “Foster EOY: Direct Services.”
- Reports can be saved with their filter criteria. Rerun exactly the same report.
- Saved Reports can be placed into groups and run from a list... i.e. Homeless EOY, Foster EOY, Healthy Start Grant, District Board, etc. Save into groups as you actually use them in the real world.
- External data can be imported and merged by a common field with a MARS Data List and then used for Report Criteria... i.e. STAR Test Scores by CSIS Number.
- Reports can be printed to any connected printer, saved as a PDF file, or exported (most reports) to MS Excel.
- Ability to export encrypted data to outside parties,

For people who install and manage the system (IT):

- Installation is from a single download for each computer.
- System checks and updates to latest version automatically on start. Any new reports or system changes are automatically installed each time the system starts.
- An included subscription through the 2012 School Year allows for custom creation of non-defined report templates. New reports are automatically pushed to your system along with any other new report templates from other request.
- Login security for each user.
- Standardized MARS design. All systems get the same features.
- Can use either MS SQL Server 2003 or greater, or MS Access Database for data storage. (MS SQL Server 2008 Express Edition available free and automatically included upon installation).
- Runs under Microsoft .NET Framework managed code for vastly improved computer fault tolerance.
- Built-in management of external data acquisition for linked SIS data.

The following pages provide details and graphics of the features listed on this and the previous page:

MARS Opportunity Seven:

History:

The basis for MARS Opportunity dates back to 2000. Starting during the 2000-2001 school year, we developed a number of database systems for Fresno Unified School District (FUSD) under the direction of their now retired deputy superintendent, Robert Harris. These systems managed Student Attendance Review Board (SARB) cases, transfer applications, and several other Student Services functions.

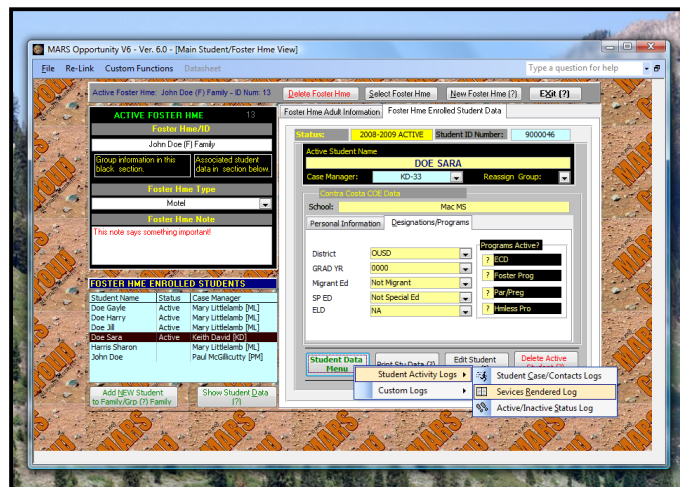
One of these of the systems we created was a database system that managed student activity for McKinney-Vento Homeless students. Following the meticulous requirements provided by Dr. Laura Tanner, the manager of the FUSD's Project Access, we created a database system to track and manage their McKinney-Vento Homeless students. Among those requirements was the ability to manage students as a family, record each service provided to a student, manage telephone calls, and assign a case manager to each call/contact activity in a quantifiable manner.

We wanted to build a system that provided the individual user with enough benefits that they would want to enter the data for their own benefits, opposed to it being a task required for the managers. So we provided ease of entry such as selections of a target students from a drop down list, tied into the FUSD SIS system to glean new student and their associated data, as well as enough quick reporting capability to satisfy each case manager.

A year later an interesting thing happened: The National Association for the Education of Homeless Children and Youth (NAEHYC) gave the Project Access program an award that among other qualities, the data gathering and management components of the Project Access program were key reason they were awarded. We attended the NAEHCY conference where Dr. Tanner presented her program, where she described her data system, and were overwhelmed with school districts interested in using the same system.

Taking a system that designed for one specific program, and making it work for any program of similar type present a number of challenges. It took a year for us to create a completely different application to offer to anyone. This system was designed around Microsoft Access, Visual Basic Applications control objects, combined with coded Visual Basic and Visual Basic Applications procedures. Over the years, we installed and maintained a number of systems, mainly in the western United States to facilitate our ability to service those applications in an efficient manner.

The old MS Access type MARS Opportunity systems (shown right) worked extremely well. They provided these special population programs with an application that was very user-friendly and gave them the kind of case management and data gathering control that is not available from most student information type programs. To be clear, none of the MARS system applications was ever intended to be a student information system such as PowerSchool, Aeries, or ESchool Plus.

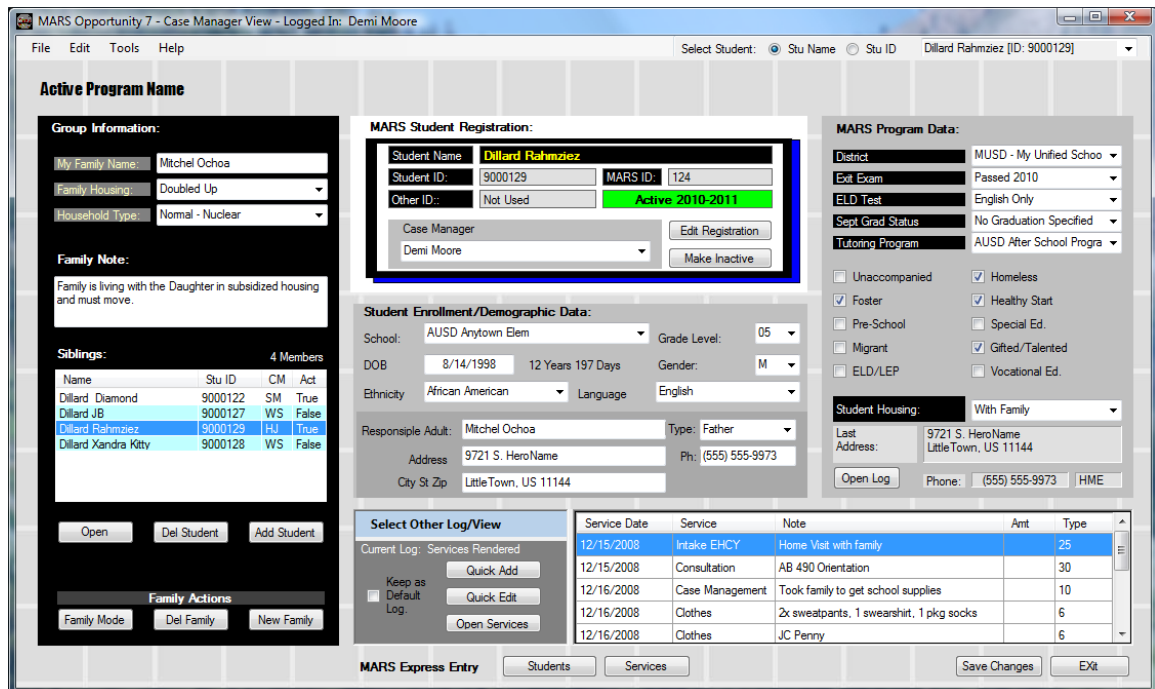
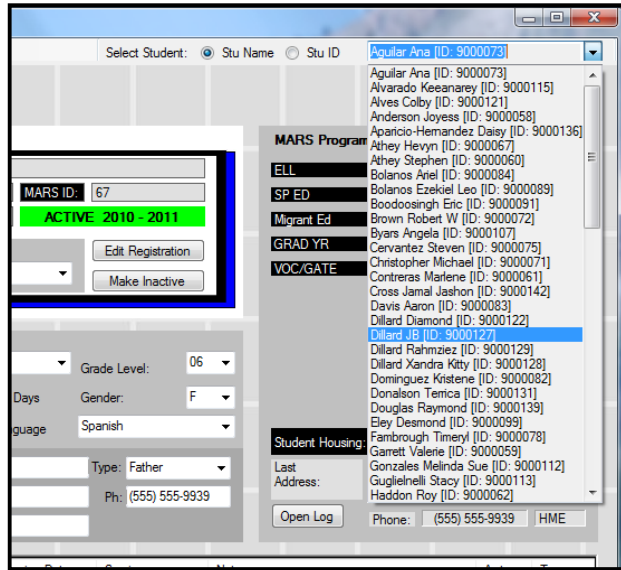


MARS Opportunity Seven: Faster end-user “feel”

MARS Opportunity Seven, the Case Management portion of MARS System Seven has a much faster feel when interacting with students and their associated families. There are several reasons why. First, the system loads all data onto the local computer when the Case Managers View is initially opened. So as you navigate from student to student, you’ll experience an almost instantaneous change from record to record. The exception to this is when you actually save to, or refresh data from the MARS System database.

The second reason is that nearly everything is on one screen, including most editing of information. You want to select a different student. You just click the Select Student dropdown by either typing in a few letters of their name or ID number. Alternatively, one may select from clicking the dropdown and selecting directly from the list. There is no navigating out to a selection screen, choosing a select method and then the students on the list... those steps are eliminated in the new system.

Right: Case Managers View showing dropdown selection list. Note that you can change the selection from Name to ID on the fly. No more going to a family and then double clicking a student.



Logs are accessible from the main screen with a single mouse click... no more navigating menus to select the service log. And the end-user may set in “User Preferences” what log

(Services, Contact or Student Address Log) they would like in the default view when they enter the Case Manager View.

Service Date	Service	Note	Amt	Type
12/18/2008	Food Boxes	Referral Only to local church		19
12/16/2008	Case Management	Transported family to obtain school supplies		10
12/16/2008	Clothes	JCPenny		6
12/16/2008	Hygiene	Walmart		5
12/16/2008	Clothes	1 pair sweatpants from clothes closet		6

Left: Log section (lower right from previous page graphic) allows instant access to user preference Service, Contact or student address logs.

Entering data into the Services log is quick and easy. In the new MARS Opportunity Seven, end-users will love the ability to enter one or many services to one student, all family members, or selected family members using the log's "Quick Add" button. No need to copy and paste from one student log to another.

In the graphic to the right, the Quick Service Add window is being used to create a new service entry for each of the four selected services (top left) to be applied to each of the four (4) selected family members (lower middle).

End-users may also use an Express Entry window for services to be applied to many different students without regard to families. In fact, using the Express Services Entry window, an end-user may apply one service to every student on the current drop-down list as shown in the screen capture on the right.

Select Student	Stu ID	Service Date	Select Service Name	Amt	Type	Note
Alves Colby	9000121	2/24/2011	CAL Back Packs			
Aparicio-Hernandez Daisy	9000136	2/24/2011	CAL Back Packs			
Cross Jamal Jashon	9000142	2/24/2011	CAL Back Packs			
Donalson Temica	9000131	2/24/2011	CAL Back Packs			
Douglas Raymond	9000139	2/24/2011	CAL Back Packs			
Herrera Miguel	9000141	2/24/2011	CAL Back Packs			
Mendoza Jose	9000144	2/24/2011	CAL Back Packs			
Morales Jessica	9000130	2/24/2011	CAL Back Packs			
Nestle Deandre	9000143	2/24/2011	CAL Back Packs			
Overton Cameron	9000134	2/24/2011	CAL Back Packs			
Overton Cassidy	9000135	2/24/2011	CAL Back Packs			
Rios Audrie	9000138	2/24/2011	CAL Back Packs			
Rios Picilia	9000137	2/24/2011	CAL Back Packs			
Rubio Emily	9000140	2/24/2011	CAL Back Packs			
Seyler Annette	9000132	2/24/2011	CAL Back Packs			
Willis Raphael	9000133	2/24/2011	CAL Back Packs			

There is also an Express Student window for applying program participation and characteristics to groups of students. For example, you want to mark a group of students as Unaccompanied, you can apply that setting to a group of students in one operation in the same manner as described for Express Services.

User Preferences

Each end-user can set a number of aspects to the way they interact with students, and the way they want certain screens to appear. One major setting is what screen they wish to be as their default screen on start up. If the end-user spends most of their time working with applying services, Each user can set their initial screen to always be the Express Services entry instead of the default Case Manager View. Similarly, they can choose the Express Students Screen, Contact Activity Log, or just leave keep the default Case Manager View.

MARS Opportunity 7 - Case Manager View - Logged In: Demi Moore

File Edit Tools Help Select Student: Stu Name Stu ID Dillard Rahmziez [ID: 9000129]

Family Name: Mitchel Ochoa Housing: Doubled Up Siblings: Add Stu Del Stu Show Note

MARS Student Registration:

Student Name: Dillard Rahmziez
Student ID: 9000129 MARS ID: 124
Other ID: Not Used Active 2010-2011
Case Manager: Demi Moore Edit Registration Make Inactive

MARS Program Data:

District: MUSD - My Unified School
Exit Exam: Passed 2010
ELD Test: English Only
Sept Grad Status: No Graduation Specified
Tutoring Program: AUSD After School Progra

Unaccompanied Homeless
 Foster Healthy Start
 Pre-School Special Ed.
 Migrant Gifted/Talented
 ELD/LEP Vocational Ed.

Student Enrollment/Demographic Data:

School: AUSD Anytown Elem Grade Level: 05
DOB: 8/14/1998 12 Years 197 Days Gender: M
Ethnicity: African American Language: English
Responsible Adult: Mitchel Ochoa Type: Father
Address: 9721 S. HeroName Ph: (555) 555-9973
City St Zip: LittleTown, US 11144

Student Housing: With Family
Last Address: 9721 S. HeroName LittleTown, US 11144
Open Log Phone: (555) 555-9973 HME

Select Other Log/View

Current Log: Services Rendered
 Keep as Default Log.
Quick Add Quick Edit Open Services

Service Date	Service	Note	Amt	Type
12/15/2008	Intake EHCY	Home Visit with family	25	
12/15/2008	Consultation	AB 490 Orientation	30	
12/16/2008	Case Management	Took family to get school supplies	10	
12/16/2008	Clothes	2x sweatpants, 1 swearshirt, 1 pkg socks	6	
12/16/2008	Clothes	JC Penny	6	

MARS Express Entry Students Services Family is living with the Daughter in subsidized housing and must move. Save Changes EXit

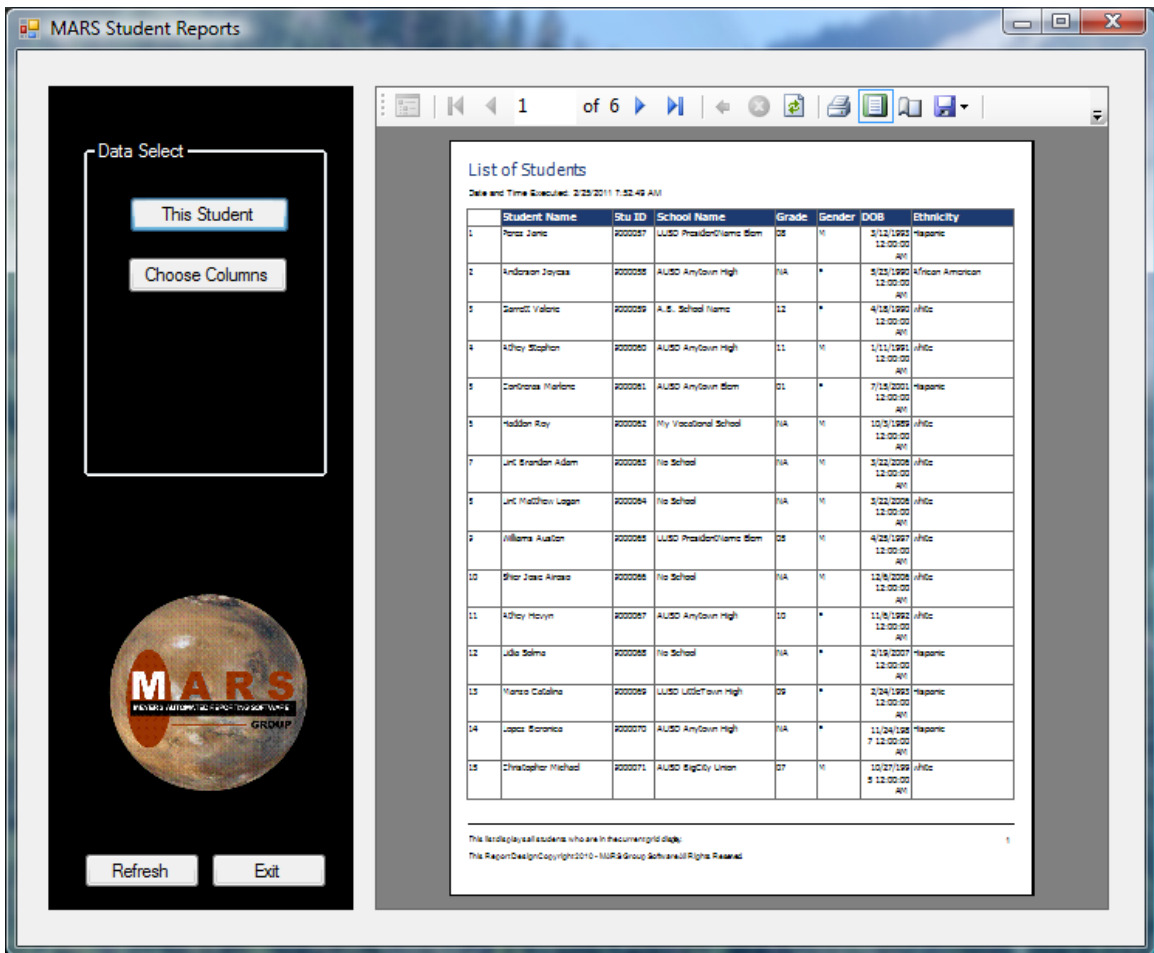
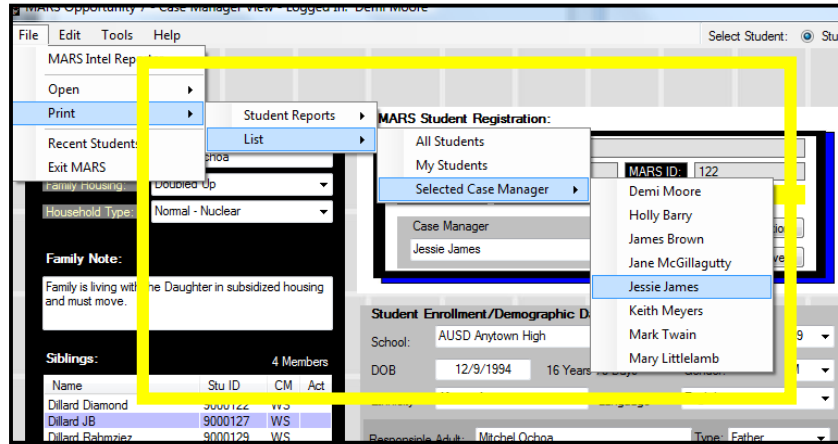
Additionally, the Case Manager View can be set to run in “Compact Mode” for a better fit on older displays, to show a larger screen at lower resolution settings, or just for a less cluttered view of information. The main change in “Compact Mode” is the Family information is available from a toolbar above the main student information. This setting can be made as the end-users default view, or it can be changed on the user’s demand from the “Tools” menu.

Quick Reports

This system contains two reporting methods, “Quick Reports” available from a single menu selection, and MARS Intel Reporter Seven that is now integrated into the MARS Opportunity Seven application. MARS Intel Reporter Seven is described in detail in the next section and is entirely different from prior versions. We’ll concentrate here on what reports are available directly from the File> Print menu as shown in the graphic on the next page.

Right: The callout section on the right shows the selection for a quick list report for the case manager named Jessie James.

Quick reports are displayed in the Student reports window. In the example below, we are showing the result for a list of students to be printed. The end-user may use either the



default columns, or the end-user may chose what data columns he/she wants to display in the list. Additionally, all reports can be printed to any connected printer including FAX printers, and can be saved as a PDF file for distribution outside of the MARS system. Most list reports can be exported to an Excel spreadsheet.

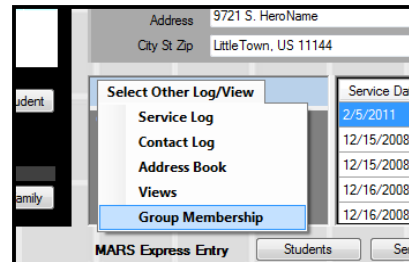
Individual Student Reports for any selected student in the Case Manger View include Program/Enrollment Summary that prints pretty much all the MARS information for the selected student. These reports are all printed from the same style window as on the previous page.

Program/Enrollment Summary w/Family prints the same information with a list of siblings at the end of the report. Services, Contact Activity Summary, and Student Addresses\Housing log are printed from the File> Print > Student Reports menu, or directly from any log view's right click context menu. Custom Views are displayed and printed directly from the custom view screen, which is identical to the Student Report screen.

Other Notable Changes In MARS Opportunity Seven

- **Individual Primary Night Student Housing/Log:** Primary Housing for any student is now recorded for both the family and the individual student in a housing log. An entry into the housing log may be “inherited” from the family (“With Family”), or may be entered directly for the individual student. In MARS Intel Reporter Seven, the initial student Housing value and the most current Housing value are both displayed with the other student census data that can be used as data filters. The family housing value is also available. This eliminates the need to move a student living outside their family’s household to a solitary family for that student only. Additionally, the log itself has additional value as a case management tool if you ever have the need to go look for a student.
- **Special “Unaccompanied” field:** It is no longer necessary to create custom fields and values to handle unaccompanied students. This check box is now a standard entry value. This eliminates varying set-up scenarios for tracking unaccompanied students, and allows the student to optionally be placed in the same family with their other siblings for better case management.
- **15 Custom Fields Available:** We added six (6) “Yes/No” fields into the data structure to allow greater flexibility to track different program participation and use the single MARS Opportunity for tracking these programs from one system. So, you can create a “Yes/No” fields for Homeless, Foster, Healthy Start, and/or any other programs up to a total of ten different programs and/or characteristics. Plus there are still five (5) custom fields that have list values associated with them available from dropdown selections. *Note: Unaccompanied is included in the total “Yes/No” custom fields.*
- **Virtual Membership Groups:** As a catchall, the administrator can create a virtually unlimited number of Membership Groups. Membership can be entered for any student by selection of “Group Membership” from the “Select Other Log/View” menu in the Case Manager View, or Memberships can be applied to groups of students in the Express Students Entry view.

Virtual Membership can be used as a filter in MARS Intel Reporter Seven, making it easy to define groups of students for reporting purposes.
- **“Other ID” Number:** There is now second optional ID Number field to allow for entry of a state issued Student ID number so external data can be imported and linked to this number for reporting.
- **Integration with MARS Intel Reporter:** This system ships with MARS Intel reporter Seven built in. At anytime, the user can switch to MARS Intel Reporter Seven and view analytical data using a variety of views, filters and reports. You can even create a specific filter in MARS Intel Reporter and bring it back to work with these selected student in MARS Opportunity.



Service Date
2/5/2011
12/15/2008
12/15/2008
12/16/2008
12/16/2008

Note: Some functions may not be available in different models or highly custom versions of MARS Opportunity at this time. These include Express Entry and Virtual Groups. If your application installs from a specific web address for your district only, you are running a custom version of MARS Opportunity 7. Screens shown in this paper may change, and other functions may be added that are not described in this document.

MARS Intel Reporter Seven

History:

MARS Intel Reporter Seven is a very different application than previous versions of MARS Intel Reporter. Six years ago when we initially introduced MARS Intel Reporter, it was designed to be a program to “crosstab” data and count/sum the totals from different aggregate types. It was also designed for a data savvy researcher who really understood relational data. If you were that kind of person who “got it,” it was a very useful program and worked very well.

Unfortunately, if you weren’t on the “got it” list and you did not have the time to learn how to use the application, it turned out to be very cryptic and in many cases, far too cumbersome for typical end-users.

One thing the original MARS Intel Reporter did not do very well was create simple list of students. In fairness, the original system was never designed to create lists of students, although it could with some fancy footwork and spreadsheet manipulation.

The previous versions created spreadsheets that you would have to finish in MS Excel. This worked okay for exporting a list if you were trying to get a list of students from the MARS census tables where the student name/ID values are exclusive, but required some fairly advanced spreadsheet skills if you wanted to get a list of unique students who received a specific set of services. Because students could have been serviced more than once, the student’s name/ID could appear many times in the resulting spreadsheet that the end-user would have to filter out on his own.

Another downside in the early MARS Intel Reporter version when counting things like services, the end-user could either count services to a student or count unique students. In many cases, end-users would count total services for each student, thinking they were counting unique students and end up with what appeared to be erroneous data. It wasn’t that the data was erroneous, but the way they selected the count total was not correct.

For these reasons, until we released this new version, we at MARS Group decided to install the old system only with people who were clearly very data savvy, and at the time, we elected to design a custom report(s) to the specifications needed by the client and integrate them into their MARS System as a customization, mostly at no additional cost. We think this new system will provide research people with the granular data access they desire, along with being easy for even a beginner to quickly pull clear, accurate reports.

MARS Intel Reporter Seven:

The new application is designed to be very intuitive, so you really don’t need to be a researcher to operate it. The system functions pretty much as what you see is what you get. You select a spreadsheet style data list from the “Select Data List” menu for say, “Services,” and then apply any filters to the data by just right clicking into a cell in the data grid. The lower report section displays the filtered data in your desired report type template. You can change report templates on the fly for the following types depending upon your selected data list:

Most people “get it” after just a few minutes of instruction. The system is set up to work from simple functions such as applying a filter and selecting a report, to very advanced functions such as bringing in an external spreadsheet and matching to students. In the most simple operation, the user views all the data in a spreadsheet style view, right clicks cells to include or exclude values in the display, and then selects a report they desire to be printed. Selectable reports include (at this time):

- **Various Aggregate Reports:** Displays the template’s row group along side column groups for the field’s entry values, clearly labeled by the count type (i.e. “Unique Student Totals”).
- **Composition Reports:** Displays the total of the count types that are part of a single field value that in total will add up to 100% (mutually exclusive) of the filtered population. Optional pie chart for the total.
- **Distribution Reports:** Similar to composition, but the values come from more than one field value and do not necessarily add up to 100% of the filtered population. Optional Bar graph.
- **Trend Reports:** Can be used with date fields, such as services rendered data. Shows the count type aggregated by a time interval such as month the service was rendered. Includes a smooth curve line graph.
- **List Reports:** Provide a list of “unique” students with various field values. Custom List provides choice of columns. This report will take a filtered services data list with repetitious students, and resolve them into a unique student list.
- **Custom Reports:** Included in the MARS System Seven is a Service Agreement that allows for creation of a report type that is not included in the system. These reports are automatically added to all MARS Intel Reporter Seven applications upon each start-up when connected to the Internet. Everyone with a subscription automatically receives each added report template.

User Defined Service Groups: This is a major feature because it allows you to associate services delivered by your case managers with a specific program group. For instance, you might have a group for Homeless Reporting, another for Foster Reporting and another group for Healthy Start. Inside of each group, you have the required service attribution that is needed for the specific program. In the example setting below, note how the service attribution for the top Report Group Service attribution differs from group to group.

Homeless Group: Transportation	Foster Group: Direct Services	Healthy Start: Parent Assistance
School Bus Passes	School Bus Passes	Gas Card
Gas Card	Gas Card	Food Boxes
Rental Car Referral	Food Boxes... etc.	Parent Counseling

The primary benefit is that the case manager is taken out of the decision making process in terms of picking the correct service for a given program. Instead, the case manager merely selects the service that they actually provided, and let the person working with reports determine what types of services should be attributed to the specific programs service type.

Save Reports with Filter Definition: This is another major feature because it allows you to save a report and most important, it’s specific Data List filter setting for reuse. Open a saved report for a given data list and exactly the same report is opened showing the most current data.

Place Saved Reports into Report Groups: Another major feature because it allows you to place a saved report (see previous “Save Report...”) into a reporting group, and then run that report from a list. As an example of this feature’s benefit, for a hypothetical Homeless End of Year report requirement, you might need a report that list number of Identified students by grade level, another that counts total students who received services listed by Service Group, and another for total students for each non-required service provided.

In this program, you may set these reports up in advance, save them to the appropriate reporting group, and then open the required report from a list to print and use!

Import External Data: You can link to external data such as a spreadsheet that contains information that can be linked to students with a common ID value such as student ID, or Other ID (state SIS number) and use that imported data as filter value for a report's data list. To bring in Exit Exam Test Scores, import a list from your test score source such as you SIS or state test reporting system, tell it what link field the imported data should use to connect the matching students to the MARS data, and then import into the grid. Go to the grid and right click to filter by a specific value such as "Passed", and select the report template, such as total students by grade, or a list of students to get a report of the specific MARS program students who "Passed" the exit exam.

Export Data: There are several methods for exporting data from MARS, including "blind" transmit to MARS Phobos systems, or by encrypted flat tables with a separate "Key" file for use by an evaluator or other research person.

MARS Intel Reporter Seven: Screen Descriptions

The screenshot displays the MARS Intel Reporter interface. At the top, there are tabs for 'Active Data List', 'Select Data List', and 'External Data List'. Below these is a table with columns: Age, Family Name, Family ID, Stu ID, MARSStuSys, Student Name, StuFirst, StuLast, and CM Name. The table contains 15 rows of student data. Below the table is a section for 'Active Dataset - Report' with buttons for 'Save New', 'Refresh Report', 'Saved Reports', 'Report Groups', 'EOY Reports', 'Print Sel', 'Open Sel', 'Close Group', and 'Exit MARS Intel'. To the right of this section is a 'Report Viewer' showing a report titled 'Grade Level Composition - Unique Students'. The report includes a table of grade levels and a corresponding pie chart.

Age	Family Name	Family ID	Stu ID	MARSStuSys	Student Name	StuFirst	StuLast	CM Name
17	Harry Kinsey	29	9000057	51	Perez Janie	Janie	Contreras	William Smith
20	Bill Vasquez	30	9000058	52	Anderson Joyess	Joyess	Vasquez	William Smith
20	Andrew Martinez	31	9000059	53	Garrett Valerie	Valerie	Martinez	William Smith
20	Cindy Tomes	32	9000060	54	Athey Stephen	Stephen	Tomes	William Smith
9	Bill Roldan	33	9000061	55	Contreras Marlene	Marlene	Perez	William Smith
21	Michael Lopes	34	9000062	56	Haddon Roy	Roy	Lopes	William Smith
4	Jones-Barker	26	9000063	57	Lint Brandon Adam	Brandon Adam	Jones-Barker	William Smith
4	Jones-Barker	26	9000064	58	Lint Matthew Logan	Matthew Logan	Jones-Barker	William Smith
13	Ricki Bolanos	35	9000065	59	Williams Austen	Austen	Alves	William Smith
4	Ricki Bolanos	35	9000066	60	Shier Jose Aroso	Jose Aroso	Bolanos	William Smith
18	Cindy Tomes	32	9000067	61	Athey Hevyn	Hevyn	Tomes	William Smith
4	Harry Kinsey	29	9000068	62	Idia Solma	Solma	Kinsey	William Smith

Grade Level for each Student	Total
01	5
02	4
03	2
04	5
05	4
06	6
07	7

Report Control: This is where you save and select saved reports.

Report Viewer: This is where you select, view, print and export specific reports that reflect the data you selected (filtered) in the top data list section.

Data List spreadsheet style view: This is where you view and select filters from all entered data.

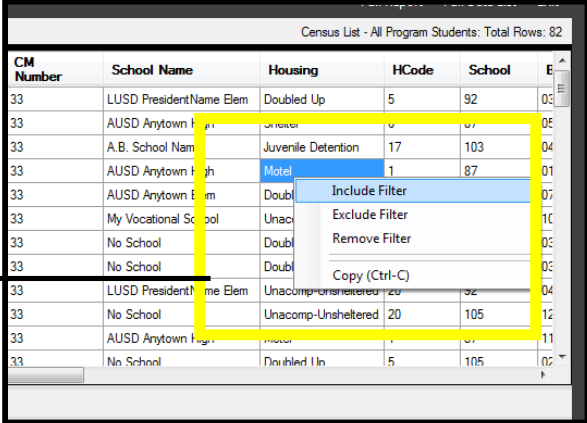
Works like a spreadsheet!

Selecting Data – Most Simple:

The example below demonstrates how simple it is to filter data in the data list. In this case, the user has selected (in blue) a cell beneath the Housing column with “Motel” as its entry and right clicked to reveal the MARS Data List action menu. Note that the user selected “Include Filter” as the action. The result is that only entries that only students with “Motel” as their housing will be included in the Data List and the active report in the lower Reports section.

The user may continue to add filter upon filter in this manner to get a data list that reflects exactly the students with the matching filter characteristics. There are ways to select multiple values in one operation available from the same action menu (not shown).

Apply a data filter by simply selecting a cell value and choosing include or exclude.

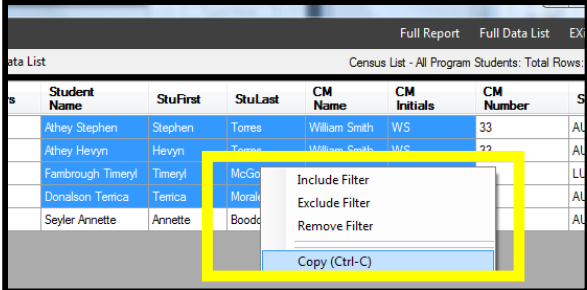


CM Number	School Name	Housing	HCode	School
33	LUSD PresidentName Elem	Doubled Up	5	92
33	AUSD Anytown Elem	Shelter	9	07
33	A.B. School Nam	Juvenile Detention	17	103
33	AUSD Anytown High	Motel	1	87
33	AUSD Anytown Elem	Double		07
33	My Vocational School	Unaccompanied		10
33	No School	Double		02
33	No School	Double		02
33	LUSD PresidentName Elem	Unaccompanied	20	92
33	No School	Unaccompanied	20	105
33	AUSD Anytown High	Motel		11
33	No School	Doubled In	5	105

Using Data in an Outside Application – Most Simple:

A copy function is available from the Data List action menu that allows you to quickly copy from the spreadsheet, and paste into another application such as a spreadsheet, email or word processor document. The example below demonstrates this function.

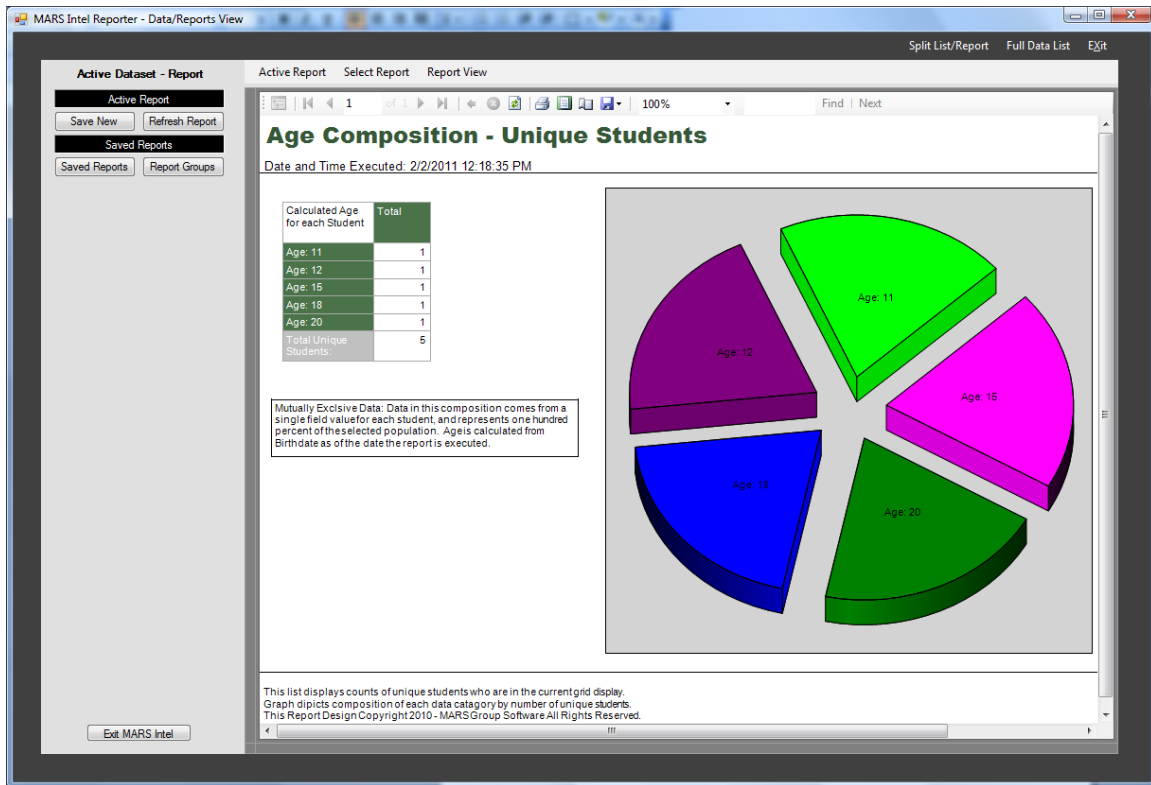
Copy/Paste data between Windows applications just like you would in a spreadsheet!



Student Name	StuFirst	StuLast	CM Name	CM Initials	CM Number
Athey Stephen	Stephen	Torres	William Smith	WS	33
Athey Hevyn	Hevyn	Torres	William Smith	WS	33
Fambrough Timeryl	Timeryl	McGo			
Donalson Temica	Temica	Moral			
Seyler Annette	Annette	Bood			

Report Section:

Works as what you see in the Data List in the top section, is reflected in the report make-up in the lower section, with any data filters applied. You can maximize either section for a full view of the report, or to work with the selected Data List.



The screen above shows the Report section maximized, reflecting the Data List view of the filtered information from the previous page.

Screen to the right is the maximized Data List with the filter removed.

ID	CM Number	School Name	Housing	HCode	School	Birthdate	Grade	Gender	Ethnicity
S	33	LUSD PresidentName Elem	Doubled Up	5	92	03/12/1993	08	M	Hispanic
S	33	AUSD Anytown High	Shelter	6	87	05/23/1990	NA	F	African American
S	33	A.B. School Name	Juvenile Detention	17	103	04/18/1990	12	F	white
S	33	AUSD Anytown High	Motel	1	87	01/11/1991	11	M	white
S	33	AUSD Anytown Elem	Doubled Up	5	82	07/15/2001	01	F	Hispanic
S	33	My Vocational School	Unaccom-Unsheltered	20	109	10/03/1989	NA	M	white
S	33	No School	Doubled Up	5	105	03/22/2006	NA	M	white
S	33	No School	Doubled Up	5	105	03/22/2006	NA	M	white
S	33	LUSD PresidentName Elem	Unaccom-Unsheltered	20	92	04/25/1997	05	M	white
S	33	No School	Unaccom-Unsheltered	20	105	12/06/2006	NA	M	white
S	33	AUSD Anytown High	Motel	1	87	11/06/1992	10	F	white
S	33	No School	Doubled Up	5	105	02/19/2007	NA	F	Hispanic
S	33	LUSD Little Town High	Run Away	13	93	02/24/1993	09	F	Hispanic
S	33	AUSD Anytown High	Unaccom-Doubled Up	8	87	11/24/1987	NA	F	Hispanic
S	33	AUSD BigCity Union	Awaiting Placement	10	94	10/27/1995	07	M	white
S	33	No School	Unaccom-Unsheltered	20	105	11/07/1989	12	M	white
S	33	Any Time Community College	Other Unknown	11	107	11/09/1988	NA	F	white
S	33	LUSD Little Town High	Unaccom-Doubled Up	8	93	05/20/1991	12	F	white
S	33	LUSD PresidentName Elem	Shelter	6	92	11/08/1996	06	F	Hispanic
S	33	No School	Unaccom-Doubled Up	8	105	03/07/1988	NA	F	African American
S	33	No School	Awaiting Placement	10	105	10/28/1991	10	M	Hispanic
S	33	LUSD PresidentName Elem	Doubled Up	5	92	12/06/1995	07	M	Hispanic
S	33	Big Town College	Transitional Housing	12	108	06/10/1989	NA	F	white
S	33	LUSD PresidentName Elem	Motel	1	92	07/24/1988	05	M	African American
S	33	My Vocational School	Doubled Up	5	109	12/20/1988	NA	F	Hispanic
S	33	My Vocational School	Unaccom-Doubled Up	8	109	11/02/1989	NA	F	Hispanic
S	33	Any Time Community College	Transitional Housing	12	107	07/16/1989	NA	M	Hispanic
S	33	Big Town College	Transitional Housing	12	108	04/09/1989	NA	F	Hispanic
S	33	AUSD Anytown High	Unaccom-Unsheltered	20	87	01/22/1998	NA	M	African American
S	33	AUSD Anytown Elem	Shelter	6	89	10/02/2000	02	F	Hispanic

Select From multiple Data List in your MARS Data!

Service Date	Quantity Type	Quantity	Service Code	M
08/13/2008				73
08/13/2008				73
08/13/2008				73
08/28/2008	Total	50	2	73
11/24/2008	Currency	50	5	73
10/19/2008	Minutes	0	10	84
10/19/2008	None	0	30	84

MARS Data List

Demographics:

- Demographics – All Students
- Demographics – Active Students – School Year

The Student Census Data list contain one row of data for each student entered into MARS system data stores. This data includes all relevant information entered into the system. This information can be filtered, such as an individual Case Manager at a specific school, and the filter can then be saved with a report for reuse.

The Demographic list is the default list when the program opens, and the end-user can choose between using either the All Students list, or the “Active Students – School year as the default list.

Services:

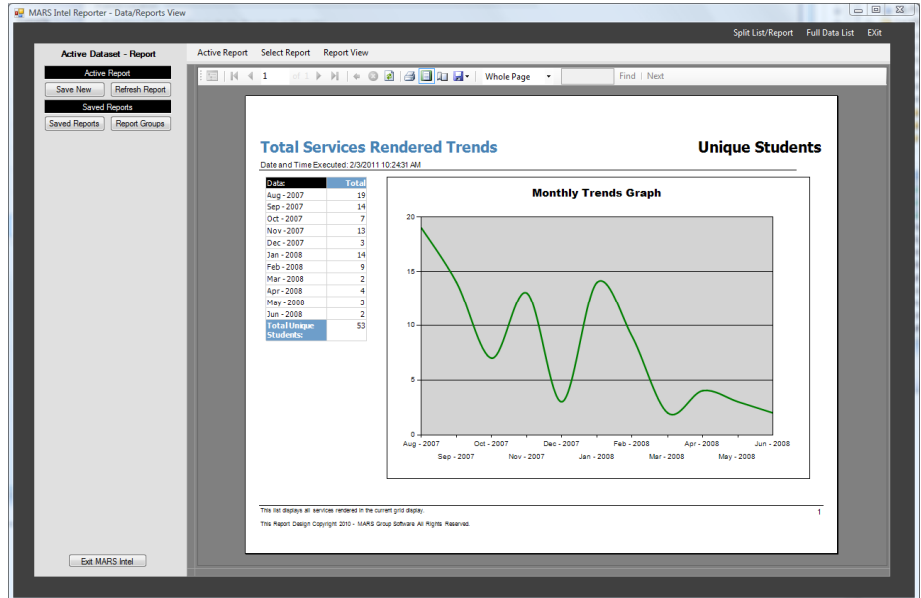
- Services Rendered – All Services by Date Range
- Services Rendered - Grouped Services

The Services Data List is a view of all services with demographic information attached to each row. The result are multiple rows for each student. In previous MARS systems, in order to work with services data, you needed to export into a spreadsheet or database to create a list with individual students, or use one of the pre-defined list reports.

This system allows you to filter your data in the Services Data List, and then use any of the report templates to get the information you need, ready formatted for presentation.

Services Data List (Continued):

Right: Services Rendered Trends report showing the filtered Data List results in a graph of total individual students who have received any service in the Data List, month to month.



Grouped Services: Grouped services are a special set of Data Lists that is set by the end-user to allow you to take individual Service Types, and place them into specific categories that are applicable to a specific reporting entity.

For example, you might provide Bus Tokens, Gas Coupons, and Clothing store Voucher to students. In McKinney-Vento Homeless, Bus Tokens and Gas Coupons may apply to the Transportation category, in Foster “Direct Services Rendered,” and the school board may want to see all these services as one thing called “Cost Related Services.”

Right: Service Group set-up screen section for McKinney-Vento type services attributed to Medical Services. Any service from Hygiene, Mental Health, Medical or Vision types will be show as one service called “Medical Services” in this Grouped Services Data List example.

Active Service Group Items:

- Transportation
- Clothing
- Medical**
- School Supplies

Active Item Information

Item Name: Medical Services

Usage Note: Medical Services for Homeless report Line 4.c]

Services Members:

- Hygiene**
- Medical
- Mental Health
- Vision

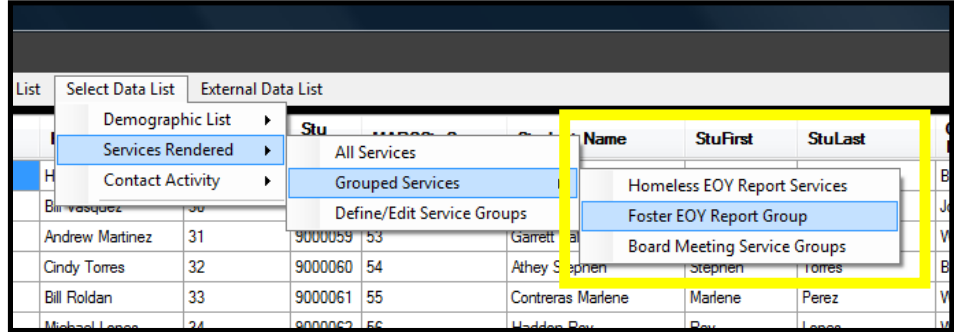
Remove Clear All

Creating a service group for each of these reporting entities allows you to have specific service category attributions for the specific report target.

Services Data List (Continued):

Obviously, this allows end-users to enter into MARS Opportunity what they actually do in terms of a service provided, and report groups are used to assign the service information needed into the proper attribution.

Right: User defined Report Group selection.

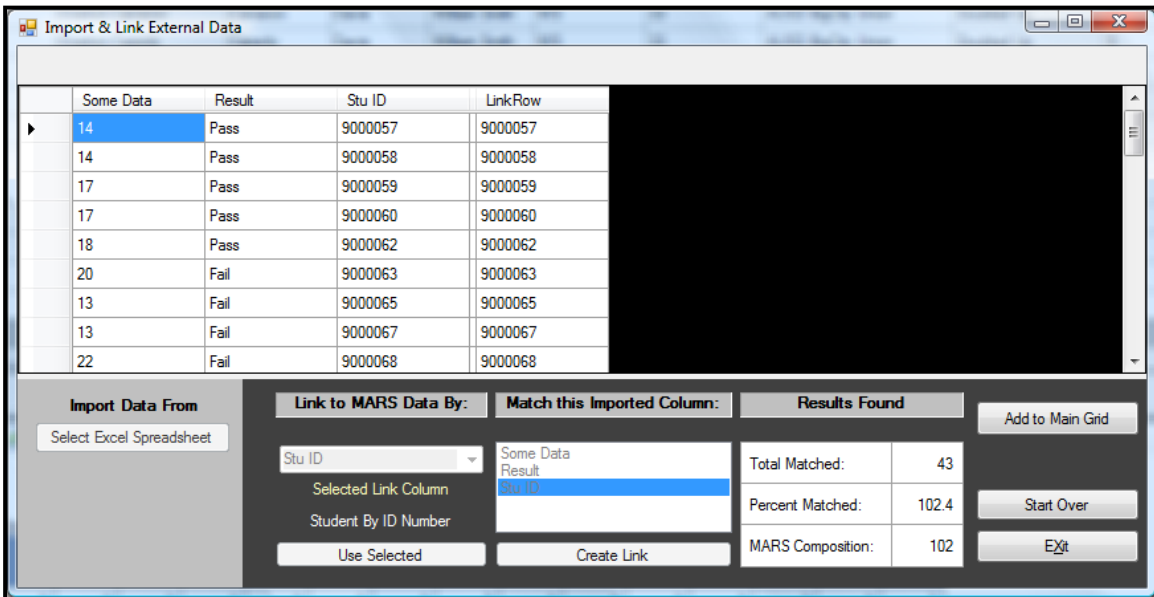


Contact Activity Summary:

Contact Activity Summary is the Data List associated with the Contact Log in MARS Systems. In many district with a number of individuals interacting with students and families, this log is vital to managing who has done what to whom. In many cases, districts using this MARS feature may get a broader picture of just how much activity is occurring with student cases.

Link to External Data!

Import External Data: Allows you to import data such as achievement test scores into any Data List, linked by a common field such as Student ID, and then use the information as a



filter source. You can prepare an import spreadsheet from a source such as PowerSchool's import/export functions.

Choose From a Variety of Report Types!

Currently, we have reports 49 different report templates available under the different data sets. We expect to have more than 100 in the next week. Some reports have graphs, some create list, some present totals. And, as part of your support subscription, time is allotted for us to create a custom report for something that lies outside of the template designs.

Any new reports are automatically pushed to your system, each time the program opens and you accept the update.

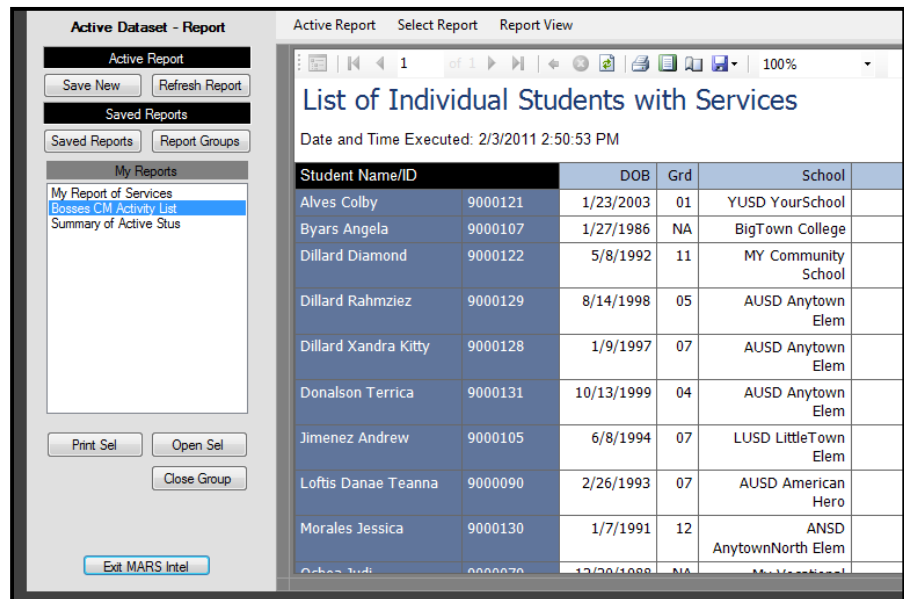
Save Reports!

A key feature in this system is the ability to save a report and the filter that you set up, so you can rerun the same report at a different time using the same report methodology.

Save Reports into Groups!

You can also save reports into end-user designed report groups. So, if you need to use a different set of reports for a given project, such as end of year reporting to a grant source, you can create your reports with filters in advance, and run everything you need from that group when it comes time to do that task.

There are many more features in this reporting system. Please give us a call at (800) 519-0463 for a demonstration with your systems MARS data.



The screenshot displays the 'Active Dataset - Report' window. On the left, there is a sidebar with 'My Reports' containing 'My Report of Services', 'Bosses CM Activity List', and 'Summary of Active Stus'. The main window shows a report titled 'List of Individual Students with Services' with a table of student data. The table has columns for Student Name/ID, DOB, Grd, and School. The data is as follows:

Student Name/ID	DOB	Grd	School
Alves Colby	1/23/2003	01	YUSD YourSchool
Byars Angela	1/27/1986	NA	BigTown College
Dillard Diamond	5/8/1992	11	MY Community School
Dillard Rahmziez	8/14/1998	05	AUSD Anytown Elem
Dillard Xandra Kitty	1/9/1997	07	AUSD Anytown Elem
Donalson Terrica	10/13/1999	04	AUSD Anytown Elem
Jimenez Andrew	6/8/1994	07	LUSD LittleTown Elem
Loftis Danae Teanna	2/26/1993	07	AUSD American Hero
Morales Jessica	1/7/1991	12	ANSD AnytownNorth Elem