



**AZ PIERS
Registry Users Group
(EMSRUG)**



Meeting Minutes
Friday January 11, 2013 - 9:30 a.m. – 11:30 a.m.
Location: Arizona Dept. of Health Services
150 North 18th Avenue Phoenix AZ 85007
5th Floor – 540A Conference Room
AZ PIERS Contacts:
Anne Vossbrink 602-364-3164 vossbra@azdhs.gov or Anne.Vossbrink@azdhs.gov
Rogelio Martinez 602-542-2246 or Rogelio.Martinez@azdhs.gov

To participate via iLinc & Conference Call:

Conference Call: 1-888-757-2790 - Code: 666732#

iLinc URL: <https://azdhsems.ilinc.com/register/yhxfcyr>

You must register prior to the meeting to join the web conference session.

- A) Welcome – EMS Agencies & Hospital Users
- B) Introductions
- C) Data Quality Topics
 - 1) Data Submission Topics
 - a) Timeliness guidelines:
 - Currently there are no guidelines or recommendations as to the standard of timelines EMS agencies should observe regarding submission of data to AZ-PIERS, upload calls.. EMS Agencies, including those using 3rd party software, that send ePCRs to AZ-PIERS may upload as frequently as they choose., It would be best to set a standard on the maximum time ideally for the upload of cases from Incident date. This allows for consistency when generating aggregate reports, syndromic surveillance, data requests, and allows the State EMS Data Manager to identify agencies that might desire assistance in resolving AZ-PIERS technical issues.
 - 3 different sub-categories
 - (a) Initial upload of incident (the first time it “touches” AZ-PIERS): This occurs when a previously non-submitted ePCRs are first posted or uploaded to AZ-PIERS.
 - (i) Discussion: EMSRUG suggested that a reasonable maximum interval from Incident date to the first submission of the ePCR is 72 hours. The initial upload of an ePCR does not mean the ePCR is final – it can still be updated.
 - (b) Frequency of upload to AZ-PIERS: This is how frequently an EMS service posts or uploads a file to AZ-PIERS. (Ex: every day, every few days) This file might contain updates, or only “new” ePCRs. AZ-PIERS has an automated upload function that may be useful here.
 - (c) Data Closing –
 - (i) Either by the data in AZ-PIERS not changing/being altered (“locked down”) or a final extract on a certain date
 - (ii) Data closing deadlines –This is when the data is “closed” – no longer needing to be updated or changed by the agency. This is important when determining when data requests or aggregate and agency level reports can be compiled with the “Final” data. Data prior to this “data closing” timeframe would only be used in reports clearly marked as provisional data, which is subject to change.

1. Discussion: EMSRUG suggested that a reasonable maximum interval from Incident date to the date when the ePCR is “closed” or “final” data is one month.
 - (d) All the data timeliness guidelines are currently suggested – EMSRUG members should discuss these suggested timeliness guidelines with their respective groups/agencies. Please respond back to Anne Vossbrink (Anne.Vossbrink@azdhs.gov) with any comments. It is proposed that the draft timeliness guidelines be written up and agreed upon at the next EMSRUG meeting, so that they can be posted as a standard for AZ-PIERS submitters/participating agencies.
 - b) Data Quality: Test Data. Please do not enter test data into the system. We have a EMS demo agency set up for anyone to use, or if this does not meet your needs, please let me know and we can set something else up. If you need to test a feature, and are not able to use the training account, please delete the test case immediately. Never enter “real” patient data should not be entered into the Demo EMS agencies account.
 - c) Data Definition and Use agreement: We will likely discuss uniform use of data element definitions so that all agencies submitting data apply the same variable definitions and value uses in the same manner. We will attempt to send out the data elements and issues to be discussed on them prior to the meeting so that all attendees can confirm with their agencies on the issue. If this is not possible, we will try to come to a consensus after the meeting via email.
- 2) Database Access: Verifying User Access Requests & Policies for Inactivating Accounts
 - a) How EMS agencies set up an account. (ex: user access of new agency request).
 - Applicant is issued initial access, and can assign others in same agency User Name and User IDs. If there was a request by an additional access account by a user, that person would be directed to the contact person at their agency (who already has access) to obtain a user name and password.
 - b) How can we ensure proper access via the Hospital Dashboard?
 - More sensitive as access to a hospital dashboard means access to view any cases sent to that destination hospital by data submitting agencies.
 - Other states policies (some examples):
 - (a) Some just know their hospital coordinators
 - (b) Some require a hospital email address (i.e. not yahoo, etc.)
 - (c) Some require the hospital requesting access to send a formal letter on letterhead with the name of the point person.
 - States seem to allow point person to set up accounts for that point person’s own agency or hospital (AZ-PIERS allows this also– Rescue Service Administrator level or Prehospital Coordinator level).
 - Discussion: EMSRUG decided that the more stringent approach of requiring a hospital to send a letter from the Trauma Program Manager or ED Director on letterhead is the best approach to verify access rights of a new Hospital Dashboard Applicant. The only way
 - c) How should we shape policy for inactivating/locking accounts (ex: left agency or hospital)? Would this be the responsibility of the agency/hospital point person?
 - Discussion: EMSRUG decided that the responsibility of inactivating or locking out would lie with the agency or hospital for their own personnel. This would fall to the RSAs or Pre-Hospital Coordinators. A suggestion was made that it would be helpful if a report could be developed and sent on a monthly basis to a Primary Contact/Point person at each agency or hospital listing all staff and their locked/unlocked active/inactive status. This would serve as an additional reminder to check rosters to be current. This would only serve as a reminder. The agency and hospitals are the primary entity responsible for maintaining their own staff status at a current level. ADHS will look into how such a report could be developed and perhaps automated to send automatically.
 - RSAs & PHCs can “unlock” other RSAs (and RSPs) or PHC (and ED User) level personnel at their own agency or facility. Only a System Administrator can re-activate an account after inactivation.

- A user locked out of their account or has had their account inactivated, will not be able to unlock or activate their own account, for security reasons.
 - Only System Admins can re-activate accounts after they have been inactivated.
 - As a side note: A user has 4 tries at their password before lockout occurs. If a user fails the first few attempts; I would suggest using the “forgot password” link just below the User Name & User Password on the login screen. It will prompt you to enter the email address associated with the user’s account, and then it will email the user their User name and Password. It is important when using this function to make sure that the email will not go into the user’s spam or junk mail folder.
- 3) Report Writer access:
- a) Currently RSA, RSP, Billing, PHC, and administrators have Report Writer Access. Hospital ED Users, Training directors, and Vendors do not.
 - Discussion: EMSRUG agreed that Training Directors (at EMS Training Schools) should have access to Report Writer. No other changes were made as to any other groups needing access to Report Writer
 - b) Regardless of what software vendor.
 - Discussion: EMSRUG had no objections to all EMS agencies that submit data to the AZ-PIERS database (both direct users and 3rd party vendor users) having access to Report Writer.
 - c) One issue stated by PHC that do QA/QI is that they have found it easier/faster to have a sign in that is part of the staff of the agencies that they base (these can be linked – and we are working with ImageTrend to see how we can adjust some of the use of this via the Hospital Dashboard instead). The idea may be to create a separate Permissions Group (not just Report Writer permission group) for Pre-Hospital Coordinators that can be assigned within the “Staff” of EMS to do QA/QI for the base agencies. Whether or not to have an agency’s Pre-Hospital Coordinators have access to that agency in this way would be a decision made between the agency and the hospital – but AZ-PIERS can set up a Permission Group in the system to allow this if the agency desires it.
- D) AZ-PIERS Updates
- 1) NEMSIS 3.0 compliance: timeline and deadlines
 - a) Image Trend is looking at the software able to accommodate 3.0 by early 2014 (this is a change from early estimates of summer 2013). AZ-PIERS will start accepting NEMSIS 3.0 compliant data – our target is early to mid-2014. Once AZ-PIERS is able to accept NEMSIS 3.0 data, it will still accept 2.0 NEMSIS data from outside vendors for a specific period of time. We will need to determine a “drop dead” date where the system will only be accepting 3.0 NEMSIS compliant data, and no longer accept 2.0. The target date for this is Jan. 1, 2015.
 - 2) Upcoming: NEMSIS 3.0 compliant AZ-PIERS Data Dictionary Discussion. The timeline for the 3.0 NEMSIS data dictionary discussion will begin prior to 3.0 being available from the vendor – looking toward summer 2013.
 - 3) Software compatibility for ImageTrend Field Bridge users: Per ImageTrend, if your agency is considering upgrading to Windows 8, make sure it is Windows 8 Pro (not available yet, but can pre-order).
 - 4) User Voice:
 - a) What is User Voice?: All AZ-PIERS ImageTrend users have access
 - Discussion: All AZ-PIERS users now have access to User Voice via the State Bridge. It is a way to suggest ideas for development, and vote for ones you like. It is used across the nation, and is a wonderful way to get new processes or functionality developed free of cost by allowing users themselves to indicate the importance of certain development and upgrades. There are several issues/ideas on User Voice that might be useful to Arizona users. –and not just ImageTrend AZ users.
 - b) How to use User Voice (see attachment) – all RSAs, RSPs, PHCs, and ED Users have access to User Voice.
 - 5) Base Hospital Contacted
 - a) Base Hospital Contacted is an optional data element available in AZ-PIERS for entry or upload via mapping. It uses the “Destination” list and allows agencies to pick the name of

their base hospital for any ePCR. It does not have to be filled in, as it is not required. The use of this field would allow the base hospital to view and to do QA/QI on those cases for which they are not the destination, but that need base hospital QA/QI. This becomes important for cases that are not transported to care, or not to that hospital as a destination. It is up to the agencies and hospital to agree if they want to use this option.

- Discussion – the question was posed as to if not only Pre-Hospital Coordinators, but also ED Users, would be able to see these cases on the Hospital Dashboard. The concern was that an agency might not want an ED User (who does not perform QA/QI) to see these ePCRs as that ED User's hospital may not be the destination.
 - ImageTrend: The above question/concern was presented to ImageTrend. At this time, the ED User of a hospital see the same records that a Pre-Hospital Coordinator (although not the QA/QI portion) – this is the case whether the ePCR appears on the Hospital Dashboard because the hospital is the destination, or if it is not the destination but that hospital is picked by the EMS agency in the “Base Hospital Contacted” field. ImageTrend has suggested that if this is of concern and further development is desirable to alter this, that the issue/suggestion should be put into User Voice.
- b) If you would like to have the “Base Hospital Contacted” variable available in your agency's ePCR, the Control ID1323 should be used. The variable is (in ImageTrend) IT5.23. Please contact ImageTrend Support at 1-888-469-7789 if you would like help activating this variable and do not have it already active.
- E) First EMS agency bi-annual reports have been sent out from state (see attached aggregate report)
- 1) PEAP agency reports should have been received these via a secure email
 - 2) An aggregate version of this EMS report will be posted on the website.
 - a) If you have feedback, or any reports you would like help developing that you might want to run and use at the agency level, please contact Anne Vossbrink and we can help create them in Report Writer – also any useful reports you now run might be something other agencies would like to have use of also (so that they can be run at their own agency-level). If you have any reports that you have created and think they might be useful to the group, please contact Anne to discuss “sharing” them with other user agencies.
 - 3) Large-scale reports for the group are under guidance of TEPI-please attend the next meeting (March 21, 2013) for ideas, input, contributions.
- F) Hospital Dashboard
- 1) Discussion of some issues/requests: Resolutions & Development
 - a) AZ-PIERS is working with and soliciting feedback from Pre-Hospital Coordinators on the Hospital Dashboard – what works well for them and what improvements they would like to see. ImageTrend is also part of the discussion.
 - Ability to print Hospital Dashboard screen: Not at this time, but suggested to put in user voice
 - Develop a “Hand off” report that can be printed instead of the longer report by the hospitals. Is available right now – once ePCR PDF is open, select from the dropdown a different report (usually now defaults to “Prehospital Report with Wavestrips). Select “Handoff_Report_AZ” for a shorter one page report. A future option will include a PDF editor feature, which should be available sometime in 2013.
 - Viewing of “printed” vs. “viewed or opened PDF” is not possible as once it enters Adobe, the software will not know if you printed it. The user can track if the ePCR PDF was opened, but will not know/track if PDF was then printed or not.
 - 2) Entering patient outcome data into AZ-PIERS Hospital Dashboard: Way to do this under investigation by ImageTrend development. Looking at a couple possibilities. Goal is to have a solution in place sometime during 2013.
- G) Upcoming ImageTrend Trainings
- 1) ADHS is planning to schedule AZ-PIERS trainings in early 2013. Please look for an email or doodle survey coming soon. Likely dates are in March 2013.

- 2) AZ-PIERS Arizona EMS Dataset Data Dictionary is available online at:
http://www.azdhs.gov/bems/documents/data/PIERS/AZ-EMISIS_Data_Dictionary.pdf
- H) Special Guest- Dr. Clay Mann
 - 1) NEMISIS – Dr. Mann discussed NEMISIS submission, the advantages to doing so, and the national data and data tools available to agencies and the State. Dr. Mann’s power point presentation is posted on the ADHS website at: <http://www.azdhs.gov/bems/data/PIERS.htm>
- I) Topics of Future Discussion as proposed by group:
 - 1) The group suggested that the meeting either be expanded to include, or that a separate (additional) meeting be scheduled, both agencies and 3rd party software vendor representatives, so that the issues discussed could be addressed in technical way also.
- J) Proposed 2013 TRUG meeting schedule – any conflicts with these dates?
 - 1) As Fridays may or may not be a good day for these meetings (as voiced by attendees), a doodle survey will be sent to gauge what day might fit best for most attendees schedules. Please look for this email and respond promptly to ensure your vote is tallied.
 - Friday April 19, 2013 / 9:30 – 11:30 am / ADHS 540-A Conference Room
 - Friday July 26, 2013 / 9:30 – 11:30 am / ADHS 540-A Conference Room
 - Friday October 25, 2013 / 9:30 – 11:30 am / ADHS 540-A Conference Room
- K) Open floor



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Meeting Minutes

Monday April 29, 2013 - 9:30 a.m. – 11:30 a.m.

Location: Arizona Dept. of Health Services

150 North 18th Avenue Phoenix AZ 85007

5th Floor – 540A Conference Room

AZ PIERS Contacts:

Anne Vossbrink 602-364-3164 or Anne.Vossbrink@azdhs.gov

Rogelio Martinez 602-542-2246 or Rogelio.Martinez@azdhs.gov

- A) Welcome
- B) Introductions
- C) AZ-PIERS training – April & upcoming
 - 1) Thanks for attending the in-person AZ-PIERS training that was held in April
 - 2) We are planning a series of AZ-PIERS Webinars in May & June (taught by ImageTrend) – What topics would you be interested in having?(Please send to Anne by 5/15/2013)
 - a) Training topics: Suggested – Developing/customizing reports at the agency level, Layout editor and agency set up, Using AZ-PIERS for QA/QI: for Medical Directors & Pre-Hospital Coordinators
 - 3) We are planning on hosting another in-person AZ-PIERS training to be held this summer.
 - a) We were considering June.
 - b) Update: We are planning the training for August 14th & 15th in Phoenix - more info to follow closer to the date.
- D) AZ-PIERS Data Dictionary & Policies
 - 1) Cardiac Tab Trigger: Right now – Primary or Secondary Impression is Cardiac Arrest or Cardiac Arrest Yes. Would it make sense to have a trigger for Primary or Secondary Impression of value Cardiac Rhythm Disturbance?
 - a) Group Discussion: No, leave triggers as they are, do not add Cardiac Rhythm Disturbance as a trigger for Cardiac Arrest variable tab.
 - 2) A few of the required data elements may have delayed implementation due to current inability to import data from 3rd party vendors.
 - a) Update: Four Data Elements are affected. They are: IT5_71 “Receiving Hospital Contacted Date/Time (for STEMI or STROKE)”, IT13_11 “Stroke Scale Speech”, IT13_12 “Stroke Scale Facial Droop”, IT13_13 “Stroke Scale Arm Drift”.
 - b) Update: ImageTrend will commence development work on the 4 above mentioned variables, and these should be capable of accepting 3rd party data by Sept. or Oct. 2013. To allow for development time on other software sides, the four data elements (IT5_71, IT13_11, IT13_12, & IT13_13) will still be “required” but validation rules will not go into effect for these four variables until January 1st, 2014.
- E) Data Completeness
 - 1) Policies discussion – Social Security Number (SS#) entry & Patient Address
 - a) Our DD (based on NEMSIS 2) states that SS# is required for entry, and that blank is not acceptable, but Null values are valid. A discussion occurred concerning the software capabilities regarding Null values for SS#, and the usefulness and data quality level of SS# in the data system. It was determined that SS# can be left blank as a valid Null (much like date/times accept blanks as Nulls) and that a data completeness report would be better than

a validation error for this variable. The patient address was briefly discussed and will retain the validation rule requiring an address or a Null value (not a blank).

- b) As we change this, how do we maintain a high level of data quality and data completeness? The group determined that data-completeness report comparing the agency to the aggregate for variables such as this would be very useful. At a future time, the group agreed reports would ideally be refined to compare only “like” agencies for completeness, such as billing agencies or transporters, or non-transporters).

F) Data Quality

1) Validation Rules

- a) Validation Rules have been recently updated – some ‘new’ rules, some adjusted weights. These are currently active rules.
- b) Additional New Validation Rules are in Demo-test mode :
- Have been tested in Demo-Training Agency – available for user testing in Demo Training Agency. Currently inactive in “live” data.
 - Next Step: Review by the group (see attached rules & comparisons). Rules 30 – 1109 are already Active in live data. Rules 1111 – 1143 are in grey and active only in Demo mode.
 - Please review these rules and reply with comments by June 10th.
 - Implementation will be planned for mid-June.
- c) Inter-facility transfer validation rules (validation rules are not altered for these yet – would be based on “Type of Service Requested”) – who does interfacility transfers? Any volunteers to help in the review of rules from that perspective?
- Please contact Anne Vossbrink if you are interested in helping in discussions on how to modify validation rule requirements for interfacility transports.
 - Volunteers so far: Rural Metro & Life Line.
- d) Final Validation rules (& updates) will be posted on the web. Validation rules will be updated as needed and not limited to annual updates.

2) Checking your validation report

- a) Viewing an overview of your agencies Validation scores (Audit Report) – all users. (See attached guide with screen shots).
- b) Viewing Validation Report particulars – Data Transfer Validation Reports & Run History Validation (with the ability to make corrections) - all users. If a user’s makes corrections directly in AZ-PIERS, they cannot be downloaded back to users system or Field Bridge. (See attached guide with screen shots).

G) New User/Vendor Group

- 1) At our last meeting, a new (additional) group was suggested that would include User Agencies & their 3rd party software vendors.
- a) Please send your vendor contact and your contact info if you would like to be included in this meeting.
- b) When/Where are not yet determined
- 2) Vendor Contact/communication list
- a) We are also creating a list of contact info for 3rd party software vendor contacts so that vital system changes in AZ-PIERS and technical information that we become aware of, can be communicated directly to the software vendor, in addition to the Agency users.

H) Follow - up from Jan. 2013 meeting

1) AZ-PIERS Data Policies

- a) From Jan. 11, 2013 meeting: Data Timeliness policies as agreed upon by the User’s group. (See attached document table).
- Within 72 hours: ePCR initial submission to AZ-PIERS will be within 72 hours of Incident Date.
 - Within 30 days: ePCR data (as far as report creation) will be considered “closed” 30 days from incident date.

- (a) A clarification question was asked regarding AZ-PIERS accepting older cases into system (ex: newly submitting agency would like to back-load two years worth of ePCRs). It was agreed that the system would accept older ePCRs.
 - 2) QA/QI reports – a request was made for a QA/QI report that would include all the parts from Inbox used by Pre-Hospital Coordinators to record status of QA/QI. Result/update: All pieces requested are available for export except for the replies text from provider. ImageTrend development is working to add this to the dataset.
 - 3) Active/Locked out users per agencies – may not be practical at this time. Can report Active/Inactive, but not Locked or not.
- I) Announcements:
- 1) Next EMS Quarterly Report Should be sent out in June. The report will be Trauma focused. All reporting agencies will be given a personalized report who had 10 or more ePCRs in AZ-PIERS by date of data extract. Incident Date range is 7/1/2012 -12/31/2012 for ePCRs in the system on March 22, 2013 (the date of data extract).
 - 2) AZ-PIERS software upgrade to 5.8 was 4/23. Release notes available in 'help' on AZ-PIERS.
- J) Reminders
- 1) Please don't enter training or test data into the live database – also please do not upload live data to the test/training site.
 - 2) User voice – every user has access – great way to drive database development.
 - 3) Send back your signed NEMSIS data submission permission forms if you received one.
- K) Topics of Future Discussion as proposed by group:
- L) 2013 EMSRUG meeting schedule – Updated based on EMSRUG member comments
 - Monday July 29, 2013 / 9:30 – 11:30 am / ADHS 540-A Conference Room
 - Monday October 28, 2013 / 9:30 – 11:30 am / ADHS 540-A Conference Room
- M) Open floor

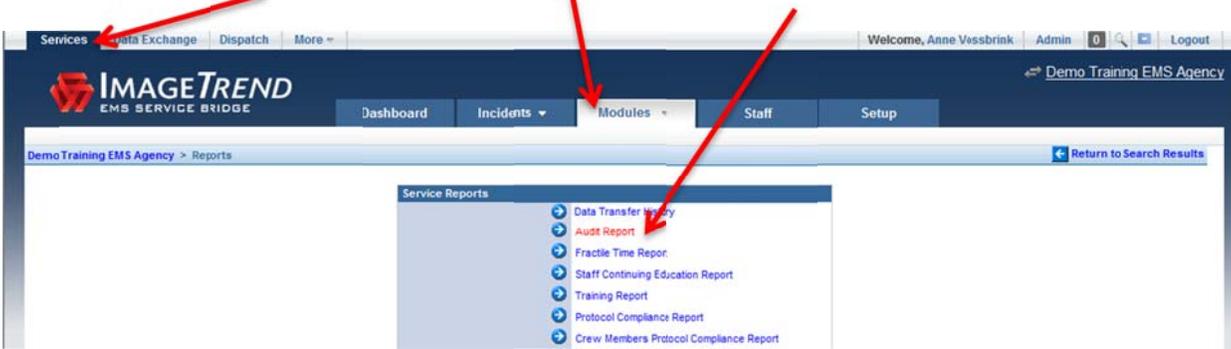
AZ-PIERS Data Policies

(Developed by EMSRUG Jan. 11, 2013)

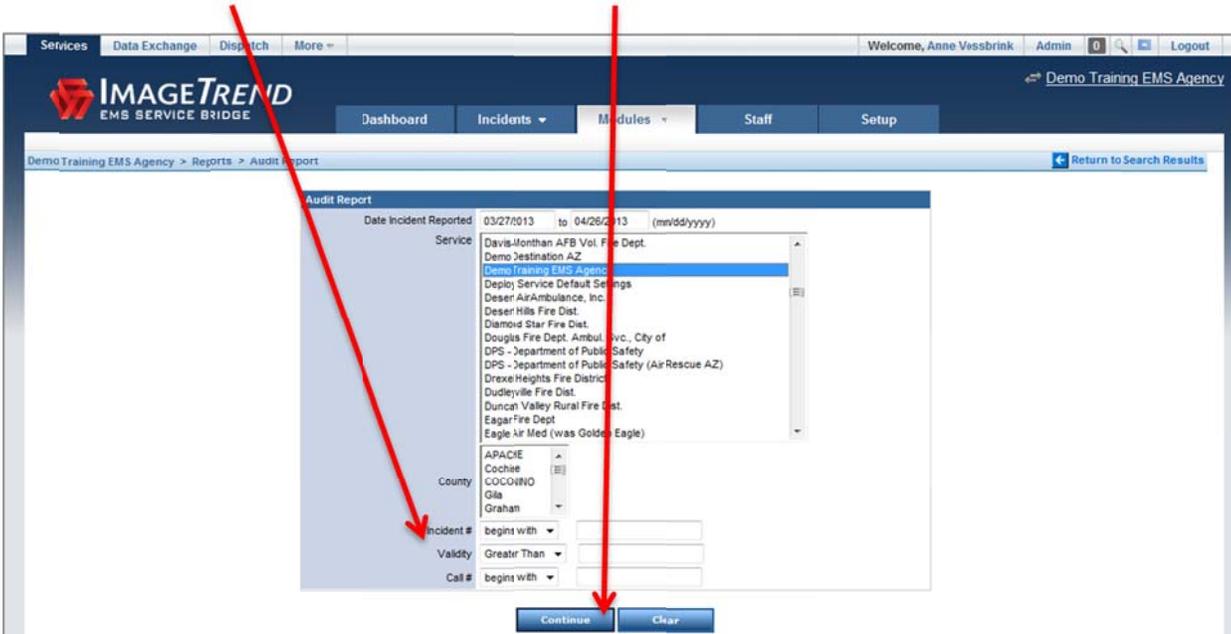
Topic	Sub-Topic	Timeframe
Data Timeliness	Initial Upload of ePCR: The first time an ePCR “touches” the AZ-PIERS. Any status.	Within 72 hours from Incident Date/ Time
Data Timeliness	ePCR Data Closing: The time at which an ePCR is finalized and can be no longer considered provisional and will not be updated.	Within 30 days from Incident Date.

- Viewing your overall Validation (Audit Report)

- 1) Click on "Service"
- 2) Click on "Modules"
- 3) Click on "Audit Report"



- 4) Choose filters to limit search
- 5) Click "Continue"



- 6) View Summary Audit Report with Validity Scores

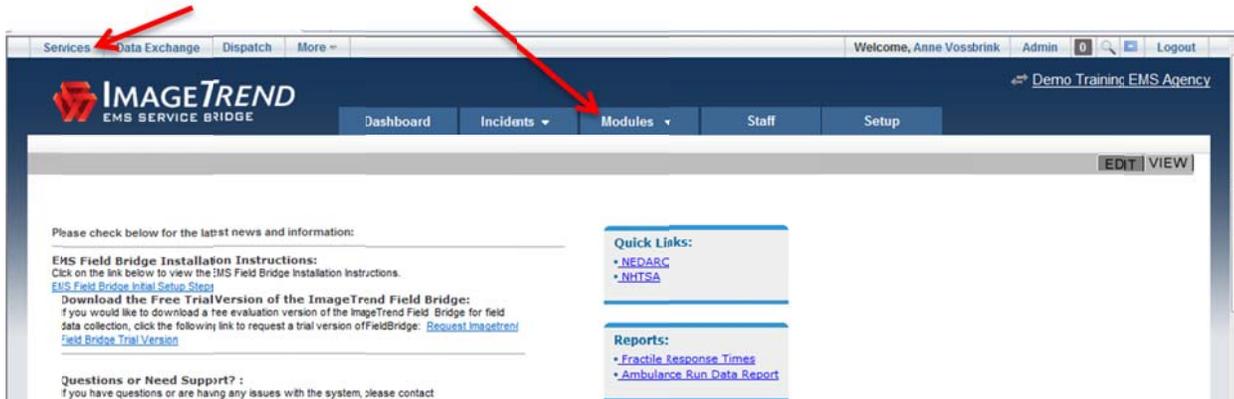
The screenshot shows the 'Summary Run Audit Report' for 04/26/2013. The report displays a table with columns for Validity, Incident #, PCR #, Date Reported, and Service Name. The table contains 15 rows of data, with the first row highlighted in red.

Validity	Incident #	PCR #	Date Reported	Service Name
0	089988755	7509985	04/09/13 00:00	Demo Training EMS Agency
20	12345	12345	04/09/13 00:00	Demo Training EMS Agency
100	17869770	1	04/09/13 00:00	Demo Training EMS Agency
0	SB1-20130409-001		04/09/13 00:00	Demo Training EMS Agency
0	SB1-20130409-002	test	04/09/13 00:00	Demo Training EMS Agency
0	SB1-20130409-003		04/09/13 00:00	Demo Training EMS Agency
0	SB1-20130409-004		04/09/13 00:00	Demo Training EMS Agency
0	SB1-20130409-005	12-9999	04/09/13 00:00	Demo Training EMS Agency
0	SB1-20130410-006		04/10/13 00:00	Demo Training EMS Agency
100	SB1-20130410-003	3	04/10/13 00:00	Demo Training EMS Agency
0	SB1-20130410-007		04/10/13 00:00	Demo Training EMS Agency
0	SB1-20130410-008		04/10/13 00:00	Demo Training EMS Agency
96	SB1-20130410-009	yhjvtdyt	04/10/13 00:00	Demo Training EMS Agency
0	SB1-20130410-010		04/10/13 00:00	Demo Training EMS Agency
0	SB1-20130410-011		04/10/13 00:00	Demo Training EMS Agency
100	129978u70	1	04/10/13 00:00	Demo Training EMS Agency
84	SB1-20130410-012	245	04/10/13 00:00	Demo Training EMS Agency
0	SB1-20130410-013		04/10/13 00:00	Demo Training EMS Agency
34	SB1-20130410-014	13-1-0054	04/10/13 00:00	Demo Training EMS Agency

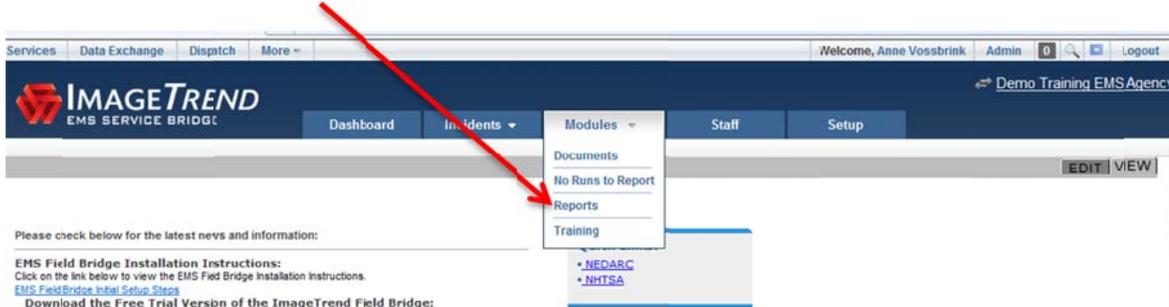
How to Check a Validation Report in AZ-PIERS

Method if you have uploaded your ePCR to AZ-PIERS via: 1) Field Bridge or 2) 3rd party software upload

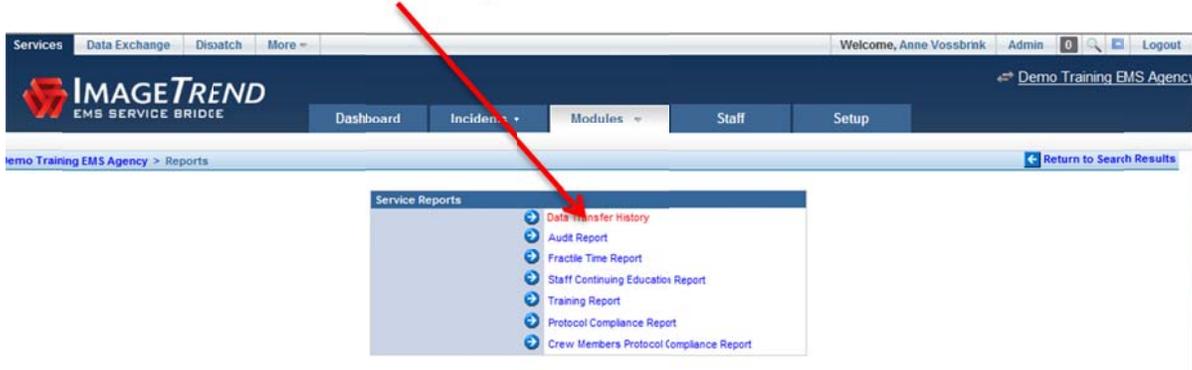
- 1) Click on "Service" 2) Click on "Modules"



- 3) Click on "Reports"



- 4) Click on "Data Transfer History"



5) View Uploaded Files 6) Click the "Data Quality Report" for the files for which you would like to review the validation report

The screenshot shows the 'Data Transfer History' page in the ImageTrend EMS Service Bridge. The page includes a navigation menu at the top with 'Services', 'Data Exchange', 'Dispatch', and 'More'. The main content area features a table with columns for 'Uploaded Date', 'Utility', 'Total Records Found in File', 'Total Records Imported', 'User', 'Imported File', 'Import', 'Status Update', 'Validation', and 'Data Quality Report'. A red arrow points to the 'Data Quality Report' link in the first row of the table. Below the table, there are 'NOTES' explaining the data.

Uploaded Date	Utility	Total Records Found in File	Total Records Imported	User	Imported File	Import	Status Update	Validation	Data Quality Report
04/10/13 11:02 PM	XML 2.0	10	10	Training RSAdmin	AZA0410.31.xml	✓	(10)	✓	📄
04/10/13 02:12 PM	ImageTrend EMS Field Bridge	1	1	Training RSAdmin		✓	✓	✓	📄
04/10/13 02:12 PM	ImageTrend EMS Field Bridge	0	0	Training RSAdmin		✓	✓	✓	📄
04/10/13 02:11 PM	ImageTrend EMS Field Bridge	1	1	Training RSAdmin		✓	✓	✓	📄
04/10/13 11:41 AM	ImageTrend EMS Field Bridge	1	1			✓	✓	✓	📄
04/09/13 11:20 AM	ImageTrend EMS Field Bridge	1	1			✓	✓	✓	📄

NOTES
 1) Totals may represent more than one service's records if more than one service was uploaded at the same time.
 2) Total Records Found in File account for all records that could be found/read in from the imported data file.
 3) Total Records Imported indicates the total number of records that imported and are available through Run History and Reporting.

7) View Error Message and Incident Numbers. 8) Make recommended corrections to ePCR

The screenshot shows the 'Data Quality Report' window. The report is titled 'Data Quality Report' and was printed on 04/26/2013. It includes a 'Report Summary' section with the following details:

- Primary Service: Demo Training EMS Agency
- User: Training RSAdmin
- Date Uploaded: 04/10/13 00:12:07 PM
- Software Vendor: ImageTrend, Inc. - ImageTrend EMS Field Bridge - 5.5.4.0
- Total Records in File: 1
- Records Imported: 1
- Avg Validity for Imported Data: 13
- Records Valid (80-100): 0
- Records Valid (60-79): 0
- Records Valid (40-59): 0
- Records Valid (0-39): 1
- Your Avg Validity for last 90 days: 77
- System Avg Validity for last 90 days: 90

The report also includes a 'System Validation Issues' section with a table of validation errors:

Validation Error	Count
A narrative must be written on each response. Rule ID 145	1
Destination Type is missing and is required for a patient that was transported. Rule ID 32	1
Dispatch Notified date/time is missing. Rule ID 107	1
Leave Scene date/time is missing. Rule ID 98	1
Patient Released to Destination Staff Date/Time cannot be blank if patient was treated & transported. Rule ID 1112	1
Patient Released to Destination Staff Date/Time cannot be blank if patient was treated and transported. Rule ID 1113	1
Provider Primary Impression is missing Rule ID 93	1
The arrived at patient date/time is missing and needs to be completed. Rule ID 100	1
The patient arrived at destination date/time is missing and needs to be completed. Rule ID 94	1
The unit arrived on scene date/time is missing and needs to be completed. Rule ID 42	1
The Unit Back in Service date/time is blank and requires a valid value. Rule ID 97	1
The Unit Notified by Dispatch Date/Time is blank and requires a valid value. Rule ID 99	1
Unit Back Service Date has not been entered. Rule ID 1044	1
Unit Notified Dispatch Date has not been entered. Rule ID 1003	1

Below this is a 'System Validation Issue Details' table:

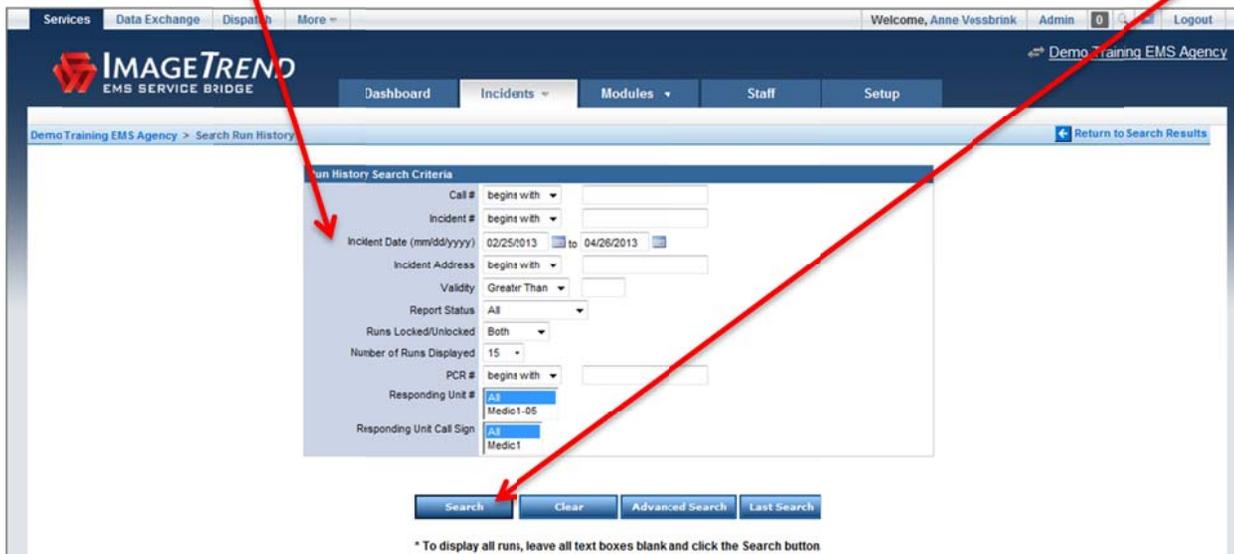
Incident #	Call #	PCR #	Incident Date	Error
09732509	498174	0301	03/01/13	A narrative must be written on each response. Rule D 145
09732509	498174	0301	03/01/13	Destination Type is missing and is required for a patient that was transported. Rule ID 32
09732509	498174	0301	03/01/13	Dispatch Notified date/time is missing. Rule ID 107
09732509	498174	0301	03/01/13	Leave Scene date/time is missing. Rule ID 98
09732509	498174	0301	03/01/13	Patient Released to Destination Staff Date/Time cannot be blank if patient was treated & transported. Rule ID 1112
09732509	498174	0301	03/01/13	Patient Released to Destination Staff Date/Time cannot be blank if patient was treated and transported. Rule ID 1113
09732509	498174	0301	03/01/13	Provider Primary Impression is missing. Rule ID 93
09732509	498174	0301	03/01/13	The arrived at patient date/time is missing and needs to be completed. Rule ID 100
09732509	498174	0301	03/01/13	The patient arrived at destination date/time is missing and needs to be completed. Rule ID 94
09732509	498174	0301	03/01/13	The unit arrived on scene date/time is missing and needs to be completed. Rule ID 42
09732509	498174	0301	03/01/13	The Unit Back in Service date/time is blank and requires a valid value. Rule ID 97
09732509	498174	0301	03/01/13	The Unit Notified by Dispatch Date/Time is blank and requires a valid value. Rule ID 99
09732509	498174	0301	03/01/13	Unit Back Service Date has not been entered. Rule ID 1044
09732509	498174	0301	03/01/13	Unit Notified Dispatch Date has not been entered. Rule ID 1003

Method if you have uploaded or entered your ePCR into AZ-PIERS

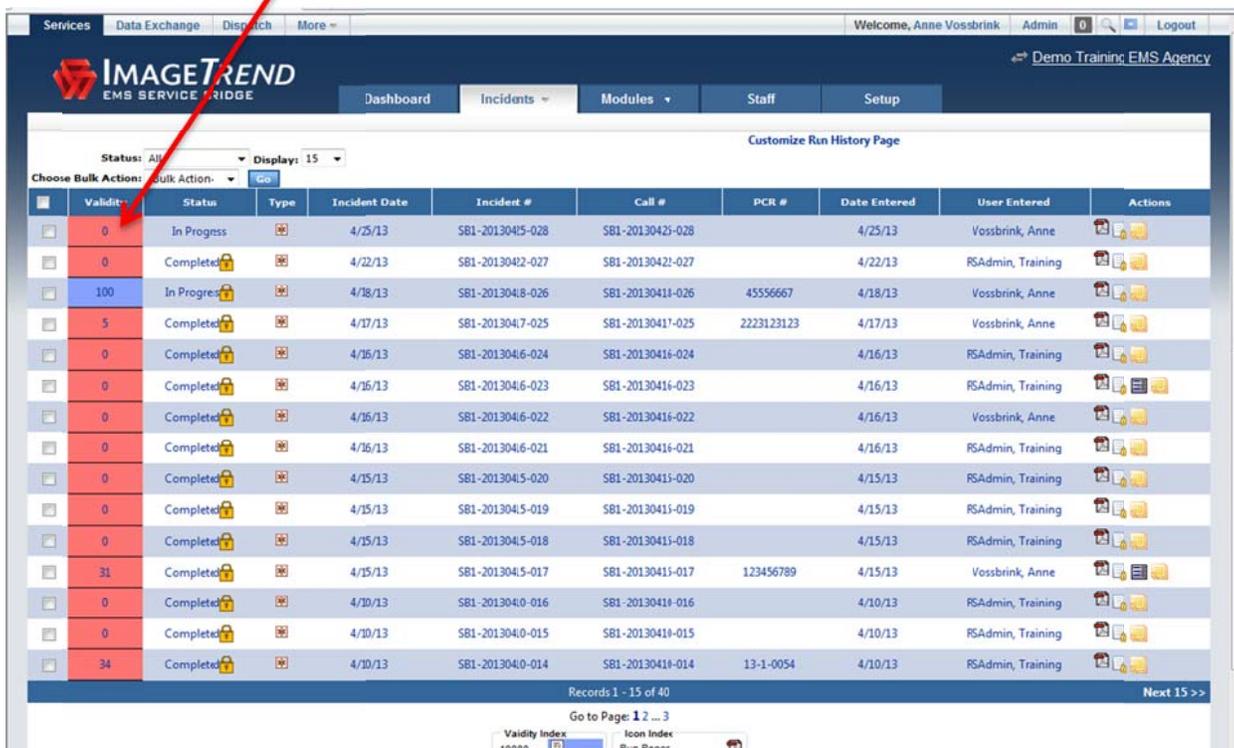
- 1) Click on "Service" 2) Click on "Incidents" 3) Click on "Run History"



- 4) Choose filters, such as Incident Date range if you would like to limit the search. 5) Click "Search"



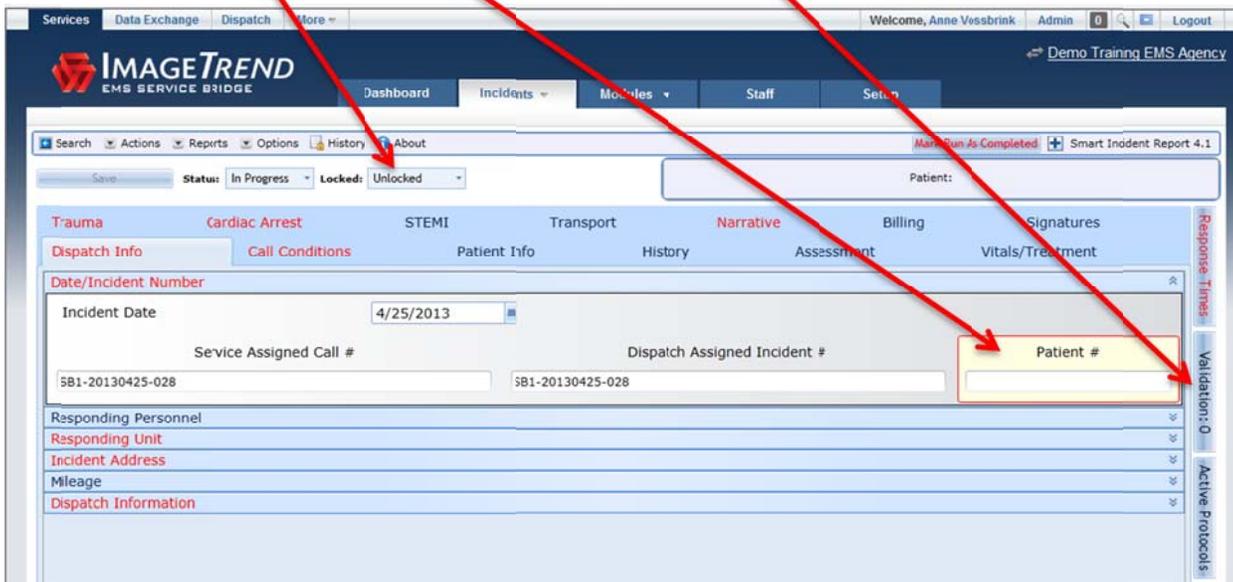
- 5) Click the score under the "Validity" column for the ePCR you would like to review the validation.



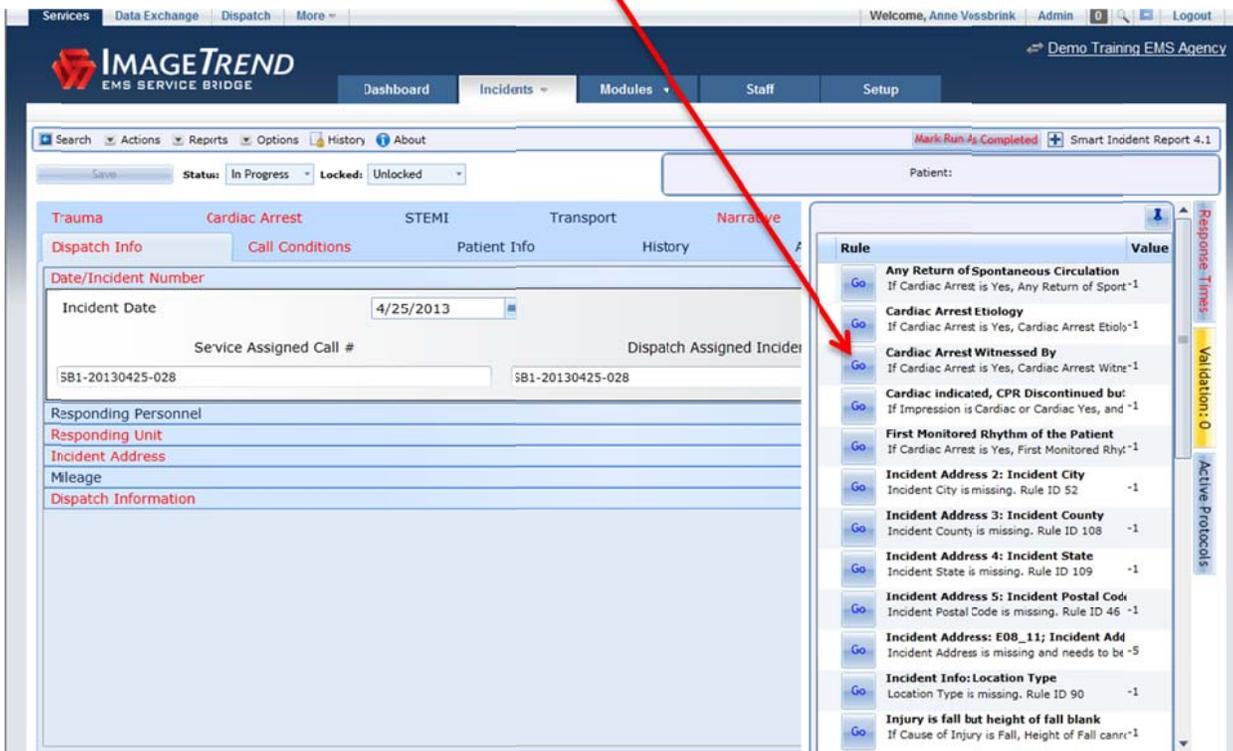
6) If the status indicates the ePCR is locked, a Rescue service administrator will need to unlock the ePCR before corrections can be made.

7) Go to Red areas and hover to view error message, then correct the issue.

8) Or click on "Validation: #" to bring up validation error messages.



9) Validation Rule Errors appear. Click "Go" next to each rule to have the system take you to the error on the ePCR.



Rule ID	Description	Level	Value	Field	Error Message	Status
30	Demographic 2: E06_01; Patient Last Name	State	-5	E6.1 - Last Name	The patient's Last Name is missing and needs to be entered. Rule ID 30	Active
32	Call Info: E20_17; Destination Type	State	-5	E20.17 - Type Of Destination	Destination Type is missing and is required for a patient that was transported. Rule ID 32	Active
37	Times 4.1: E05_05; Unit En Route Date/Time	State	-5	E5.5 - Unit EnRoute Date/Time	The unit en route date/time is missing and needs to be completed. Rule ID 37	Active
38	Incident Address: E08_11; Incident Address	State	-5	E8.11 - Incident Address	Incident Address is missing and needs to be added for each response. Rule ID 38	Active
39	Demographic 1: Patient First Name		-1	E6.2 - First Name	First Name is missing. Rule ID 39	Active
40	Patient Address 5: Patient Postal Code		-1	E6.8 - Patient's Home Zip	Patient Postal Code is missing. Rule ID 40	Active
41	Patient Address 1: Patient Address		-1	E6.4 - Patient's Home Address	Patient Address is missing. Rule ID 41. If unable to collect, enter "Not Recorded"	Active
42	Times 5.1: E05_06; Unit Arrived on Scene Date/Time	State	-5	E5.6 - Unit Arrived on Scene Date/Time	The unit arrived on scene data/time is missing and needs to be completed. Rule ID 42	Active
43	Call Info: Destination Name	State	-1	E20.1 - Destination Transferred To, Name	Destination Name is missing. Rule ID 43	Active
45	Times: Arrive Destination > Leave Scene	National	-1	E5.10 - Patient Arrived at Destination Date/Time	Arrive date/time Destination is less than Leave Scene date/time. Rule ID 45	Active
46	Incident Address 5: Incident Postal Code		-1	E8.15 - Incident Zip Code	Incident Postal Code is missing. Rule ID 46	Active
47	Demographic 5: Patient Social Security Number		-1	E6.10 - SSN	Social Security Number is missing. Rule ID 47. If unable to collect, enter "Not Recorded" or "Not Reporting". (See E00 Null Definitions)	Active
52	Incident Address 2: Incident City		-1	E8.12 - Incident City	Incident City is missing. Rule ID 52	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
76	Rule #76. Incident Identifier: Incident Number (E02_02)	State	-25	E2.2 - Incident Number	The Incident Number is blank or contains a "Not" value. A valid value must be entered. Rule ID 76	Active
77	Rule #77. Incident Information; Patient Care Report Number (E01_01)	National	-25	E1.1 - Patient Care Report Number	The Patient Care Report Number is blank or contains a "Not" value. A valid value must be entered. Rule ID 77	Active
78	History: E05_01; Onset Date/Time	State	-5	E5.1 - Incident or Onset Date/Time	The Onset Date/Time is missing and needs to be completed. Rule ID 78	Active
79	Incident Info: Reponding Unit		-1	E2.11 - EMS Unit/Vehicle Number	Reponding Unit is missing. Rule ID 79	Active
81	Incident Info: Dispatch Reason		-1	E3.1 - Complaint Reported By Dispatch	Dispatch Reason is missing. Rule ID 81	Active
82	Call Info: Destination Determination	State	-1	E20.16 - Reason For Choosing Destination	Destination Determination is missing. Rule ID 82	Active
83	Rule #83. Call Info: Type of Service Requested (E02_04)	National	-25	E2.4 - Type Of Service Requested	The Type of Service Requested is blank or contains a "Not" value. A valid value must be entered. Rule ID 83	Active
84	Rule #84. To Scene: Primary Role of the Unit (E02_05)	National	-25	E2.5 - Primary Role Of The Unit	The Primary Role of the Unit is blank or contains a "Not" value. A valid value must be entered. Rule ID 84	Active
85	Rule #85. Call Info: Incident/Patient Disposition or Response Disposition (E20_10)	National	-25	E20.10 - Incident/Patient Disposition	The Incident/Patient Disposition or Response Disposition is blank or contains a "Not" value. A valid value must be entered. Rule ID 85	Active
86	Rule #86. Call Info: Response Mode to Scene (E02_20)	National	-25	E2.20 - Response Mode To Scene	The Response Mode to Scene is blank or contains a "Not" value. A valid value must be entered. Rule ID 86	Active
87	Call Info: Response Mode from Scene ALS		-1	E20.14 - Transport Mode From Scene	Response Mode from Scene is missing. Rule ID 87	Active
88	Demographic 3: Patient Gender		-1	E6.11 - Gender	Patient Gender is missing. Required if E20.10 (Incident/Patient Disposition) indicates patient contact. Rule ID 88	Active
89	Demographic 4: Patient DOB		-1	E6.16 - Date Of Birth	Patient DOB is missing. Rule ID 89	Active
90	Incident Info: Location Type		-1	E8.7 - Incident Location Type	Location Type is missing. Rule ID 90	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
91	History: E09_05; Chief Complaint	State	0	E9.5 - Chief Complaint	The Chief Complaint is missing and needs to be completed. Rule ID 91	Active
92	History: Primary Symptom		-1	E9.13 - Primary Symptom	Primary Symptom is missing. Rule ID 92	Active
93	Narrative: Provider Primary Impression		-1	E9.15 - Providers Primary Impression	Provider Primary Impression is missing. Rule ID 93	Active
94	Times 8.1: E05_10; Patient Arrived at Destination Date/Time	State	-5	E5.10 - Patient Arrived at Destination Date/Time	The patient arrived at destination date/time is missing and needs to be completed. Rule ID 94	Active
95	Times 5: Arrive Scene < Enroute		-1	E5.6 - Unit Arrived on Scene Date/Time	Arrive Scene less than Enroute date/time. Rule ID 95	Active
96	Times 4: Enroute > Unit Dispatched		-1	E5.5 - Unit EnRoute Date/Time	Enroute less than Unit Dispatched date/time. Rule ID 96	Active
97	Rule #97. Times: Unit Back in Service Date/Time (E05_11)	National	-25	E5.11 - Unit Back in Service Date/Time	The Unit Back in Service date/time is blank and requires a valid value. Rule ID 97	Active
98	Times 7.1: Leave Scene		-1	E5.9 - Unit Left Scene Date/Time	Leave Scene date/time is missing. Rule ID 98	Active
99	Rule #99. Times: Unit Notified by Dispatch Date/Time (E05_04)	National	-25	E5.4 - Unit Notified by Dispatch Date/Time	The Unit Notified by Dispatch Date/Time is blank and requires a valid value. Rule ID 99	Active
100	Times 6.1: E05_07; Arrived at Patient Date/Time	State	-5	E5.7 - Arrived at Patient Date/Time	The arrived at patient date/time is missing and needs to be completed. Rule ID 100	Active
101	Times 6: Arrive Patient Side > Arrive Scene		-1	E5.7 - Arrived at Patient Date/Time	Arrive Patient less than Arrive Scene date/time. Rule ID 101	Active
103	Times 9: Back in Service > Arrive Dest.	National	-1	E5.11 - Unit Back in Service Date/Time	In-Service less than Arrive Destination date/time. Rule ID 103	Active
105	Times 3: Unit Dispatched > Dispatch Notified		-1	E5.4 - Unit Notified by Dispatch Date/Time	Unit Disp. less than Dispatch Notified date/time. Rule ID 105	Active
106	Times 7: Leave Scene > Arrived Patient Side		-1	E5.9 - Unit Left Scene Date/Time	Leave Scene less than Arrived Patient date/time. Rule ID 106	Active
107	Times 2.1: Dispatch Notified		-1	E5.3 - Dispatch Notified Date/Time	Dispatch Notified date/time is missing. Rule ID 107	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
108	Incident Address 3: Incident County		-1	E8.13 - Incident County	Incident County is missing. Rule ID 108	Active
109	Incident Address 4: Incident State		-1	E8.14 - Incident State	Incident State is missing. Rule ID 109	Active
110	Patient Address 2: Patient City	State	-1	E6.5 - Patient's Home City	Patient City is missing. Rule 110. If unable to collect, enter "Not Recorded"	Active
111	Patient Address 3: Patient County	State	-1	E6.6 - Patient's Home County	Patient County is missing, but Patient State is AZ. Rule ID 111 If unable to collect, enter "Not Recorded"	Active
112	Patient Address 4: Patient State		-1	E6.7 - Patient's Home State	Patient State is missing. Rule ID 112. If unable to collect, enter "Not Recorded"	Active
116	Call Info: Response Mode from Scene BLS		-1	E20.14 - Transport Mode From Scene	Response Mode (Transport Mode) from Scene is missing". Rule ID 116	Active
119	Condition: Possible Injury Primary Impression	State	-10	E9.4 - Possible Injury	Possible Injury must be Yes if Provider Primary Impression is injury related. Rule ID 119	Active
120	Condition: Possible Injury Secondary Impression	State	-10	E9.4 - Possible Injury	Possible Injury must be Yes if Provider Secondary Impression is injury related. Rule ID 120	Active
121	To Scene: Response Delay	National	-1	E2.7 - Type Of Response Delay	For Type of Response Delay, Not Applicable and another value cannot be selected together. Rule ID 121	Active
122	To Scene: Dispatch Delay	National	-1	E2.6 - Type Of Dispatch Delay	For Type of Dispatch Delay, Not Applicable and another value cannot be selected together. Rule ID 122	Active
123	To Scene: Scene Delay	National	-1	E2.8 - Type Of Scene Delay	For Type of Scene Delay, Not Applicable and another value cannot be selected together. Rule ID 123	Active
124	To Scene: Transport Delay	National	-1	E2.9 - Type Of Transport Delay	For Type of Transport Delay, Not Applicable and another value cannot be selected together. Rule ID 124	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
125	To Scene: Turnaround Delay	National	-1	E2.10 - Type Of Turn-Around Delay	For Type of Turnaround Delay, Not Applicable and another value cannot be selected together. Rule ID 125	Active
126	At Scene: Barriers to Patient Care	National	-1	E12.1 - Barriers To Patient Care	For Barriers to Patient Care, Not Applicable and another value cannot be selected together. Rule ID 126	Active
127	Activities: Procedures	National	-10	E19.1 - Date/Time Procedure Performed Successfully	Can not have a procedure and a not applicable procedure entered. Rule ID 127	Active
128	Times: Back in Service > Unit Notified by Dispatch	National	-1	E5.11 - Unit Back in Service Date/Time	Back In-Service date/time must be Greater than or Equal to Unit Notified by Dispatch. Rule ID 128	Active
129	AT Scene: MCI	National	-1	E8.6 - Mass Casualty Incident	If Mass Casualty is Yes, then the Number of Patients at Scene must be Multiple. Rule ID 129	Active
130	Times: Arrive Patient Side > Enroute	National	-1	E5.7 - Arrived at Patient Date/Time	Arrive patient must be greater than Enroute time. Rule ID 130	Active
131	Times: Arrive Patient Side < Unit Notified by Dispatch	National	-1	E5.7 - Arrived at Patient Date/Time	Arrive patient must be greater than Unit Notified by Dispatch time. Rule ID 131	Active
132	Demographic: Patient Age Units	National	-1	E6.15 - Age Units	If you document a patient age, age units must also be documented. Rule ID 132	Active
133	Times: Leave scene < Arrive scene	National	-1	E5.9 - Unit Left Scene Date/Time	Arrive scene is less than leave scene. Please correct. Rule ID 133	Active
134	Possible Injury	State	-5	E9.4 - Possible Injury	If a cause of injury is documented, injury present must be yes. Rule ID 134	Active
135	Activities: Procedure Crew Member	State	-10	E19.9 - Procedure Crew Members ID	Crew member must be documented on every procedure. Rule ID 135	Active
136	Crew Member Level	State	-1	E4.3 - Crew Member Level	Crew member level is required.	Active
137	Patient: Ethnicity	National	-1	E6.13 - Ethnicity	The patient's ethnicity is missing and needs to be documented. Rule ID 137	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
138	Patient: Race	National	-1	E6.12 - Race	Patient race must be documented. Rule ID 138	Active
144	Rule #144. To Scene: EMS Unit Call Sign (Radio Number) (E02_12)	National	-25	E2.12 - EMS Unit Call Sign (Radio Number)	The EMS Unit Call Sign (Radio Number) is blank or contains a "Not" value. A valid value must be entered. Rule ID 144	Active
145	Narrative: E13_01; Run Report Narrative	Local	-10	E13.1 - Run Report Narrative	A narrative must be written on each response. Rule ID 145	Active
1001	PSAP Call Date Before Incident Onset Date (Logical)	Logical	-1	E5.2 - PSAP Call Date/Time	PSAP Call Date is before Incident Onset Date. Rule ID 1001	Active
1002	Dispatch Notified Date Before PSAP Call Date (Logical)	Logical	-1	E5.3 - Dispatch Notified Date/Time	Dispatch Notified Date is before PSAP Call Date. Rule ID 1002	Active
1003	Unit Notified Dispatch Date Missing (Logical)	Logical	-1	E5.4 - Unit Notified by Dispatch Date/Time	Unit Notified Dispatch Date has not been entered. Rule ID 1003	Active
1004	Unit Notified Dispatch Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.4 - Unit Notified by Dispatch Date/Time	Unit Notified Dispatch Date is before Dispatch Notified Date. Rule ID 1004	Active
1005	Unit Notified Dispatch Date Before PSAP Call Date (Logical)	Logical	-1	E5.4 - Unit Notified by Dispatch Date/Time	Unit Notified Dispatch Date is before PSAP Call Date. Rule ID 1005	Active
1006	Unit Notified Dispatch Date Before Incident Onset Date (Logical)	Logical	-1	E5.4 - Unit Notified by Dispatch Date/Time	Unit Notified Dispatch Date is before Incident Onset Date. Rule ID 1006	Active
1007	Unit En Route Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.5 - Unit EnRoute Date/Time	Unit En Route Date is before Unit Notified Dispatch Date. Rule ID 1007	Active
1008	Unit En Route Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.5 - Unit EnRoute Date/Time	Unit En Route Date is before Dispatch Notified Date. Rule ID 1008	Active
1009	Unit En Route Date Before PSAP Call Date (Logical)	Logical	-1	E5.5 - Unit EnRoute Date/Time	Unit En Route Date Before PSAP Call Date. Rule ID 1009	Active
1010	Unit En Route Date Before Incident Onset Date (Logical)	Logical	-1	E5.5 - Unit EnRoute Date/Time	Unit En Route Date is before Incident Onset Date. Rule ID 1010	Active
1011	Unit Arrived Scene Date Before Unit En Route Date (Logical)	Logical	-1	E5.6 - Unit Arrived on Scene Date/Time	Unit Arrived Scene Date is before Unit En Route Date. Rule ID 1011	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1012	Unit Arrived Scene Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.6 - Unit Arrived on Scene Date/Time	Unit Arrived Scene Date is before Unit Notified Dispatch Date. Rule ID 1012	Active
1013	Unit Arrived Scene Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.6 - Unit Arrived on Scene Date/Time	Unit Arrived Scene Date is before Dispatch Notified Date. Rule ID 1013	Active
1014	Unit Arrived Scene Date Before PSAP Call Date (Logical)	Logical	-1	E5.6 - Unit Arrived on Scene Date/Time	Unit Arrived Scene Date is before PSAP Call Date. Rule ID 1014	Active
1015	Unit Arrived Scene Date Before Incident Onset Date (Logical)	Logical	-1	E5.6 - Unit Arrived on Scene Date/Time	Unit Arrived Scene Date is before Incident Onset Date. Rule ID 1015	Active
1016	Arrived Patient Date Before Unit Arrived Scene Date (Logical)	Logical	-1	E5.7 - Arrived at Patient Date/Time	Arrived Patient Date is before Unit Arrived Scene Date. Rule ID 1016	Active
1017	Arrived Patient Date Before Unit En Route Date (Logical)	Logical	-1	E5.7 - Arrived at Patient Date/Time	Arrived Patient Date Before Unit En Route Date. Rule ID 1017	Active
1018	Arrived Patient Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.7 - Arrived at Patient Date/Time	Arrived Patient Date is before Unit Notified Dispatch Date. Rule ID 1018	Active
1019	Arrived Patient Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.7 - Arrived at Patient Date/Time	Arrived Patient Date is before Dispatch Notified Date. Rule ID 1019	Active
1020	Arrived Patient Date Before PSAP Call Date (Logical)	Logical	-1	E5.7 - Arrived at Patient Date/Time	Arrived Patient Date is before PSAP Call Date. Rule ID 1020	Active
1021	Arrived Patient Date Before Incident Onset Date (Logical)	Logical	-1	E5.7 - Arrived at Patient Date/Time	Arrived Patient Date is before Incident Onset Date. Rule ID 1021	Active
1022	Transfer Patient Care Date Before Arrived Patient Date (Logical)	Logical	-1	E5.8 - Transfer of Patient Care Date/Time	Transfer Patient Care Date is before Arrived Patient Date. Rule ID 1022	Active
1023	Transfer Patient Care Date Before Unit Arrived Scene Date (Logical)	Logical	-1	E5.8 - Transfer of Patient Care Date/Time	Transfer Patient Care Date is before Unit Arrived Scene Date. Rule ID 1023	Active
1024	Transfer Patient Care Date Before Unit En Route Date (Logical)	Logical	-1	E5.8 - Transfer of Patient Care Date/Time	Transfer Patient Care Date is before Unit En Route Date. Rule ID 1024	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1025	Transfer Patient Care Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.8 - Transfer of Patient Care Date/Time	Transfer Patient Care Date is before Unit Notified Dispatch Date. Rule ID 1025	Active
1026	Transfer Patient Care Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.8 - Transfer of Patient Care Date/Time	Transfer Patient Care Date Before Dispatch Notified Date. Rule ID 1026	Active
1027	Transfer Patient Care Date Before PSAP Call Date (Logical)	Logical	-1	E5.8 - Transfer of Patient Care Date/Time	Transfer Patient Care Date is before PSAP Call Date. Rule ID 1027	Active
1028	Transfer Patient Care Date Before Incident Onset Date (Logical)	Logical	-1	E5.8 - Transfer of Patient Care Date/Time	Transfer Patient Care Date is before Incident Onset Date. Rule 1028	Active
1029	Unit Left Scene Date Before Arrived Patient Date (Logical)	Logical	-1	E5.9 - Unit Left Scene Date/Time	Unit Left Scene Date is before Arrived Patient Date. Rule ID 1029	Active
1030	Unit Left Scene Date Before Unit Arrived Scene Date (Logical)	Logical	-1	E5.9 - Unit Left Scene Date/Time	Unit Left Scene Date is before Unit Arrived Scene Date. Rule ID 1030	Active
1031	Unit Left Scene Date Before Unit En Route Date (Logical)	Logical	-1	E5.9 - Unit Left Scene Date/Time	Unit Left Scene Date is before Unit En Route Date. Rule ID 1031	Active
1032	Unit Left Scene Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.9 - Unit Left Scene Date/Time	Unit Left Scene Date is before Unit Notified Dispatch Date. Rule ID 1032	Active
1033	Unit Left Scene Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.9 - Unit Left Scene Date/Time	Unit Left Scene Date is before Dispatch Notified Date. Rule ID 1033	Active
1034	Unit Left Scene Date Before PSAP Call Date (Logical)	Logical	-1	E5.9 - Unit Left Scene Date/Time	Unit Left Scene Date is before PSAP Call Date. Rule ID 1034	Active
1035	Unit Left Scene Date Before Incident Onset Date (Logical)	Logical	-1	E5.9 - Unit Left Scene Date/Time	Unit Left Scene Date is before Incident Onset Date. Rule ID 1035	Active
1036	Patient Arrived Dest Date Before Unit Left Scene Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before Unit Left Scene Date. Rule ID 1036	Active
1037	Patient Arrived Dest Date Before Arrived Patient Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before Arrived Patient Date. Rule ID 1037	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1038	Patient Arrived Dest Date Before Unit Arrived Scene Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before Unit Arrived Scene Date. Rule ID 1038	Active
1039	Patient Arrived Dest Date Before Unit En Route Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before Unit En Route Date. Rule ID 1039	Active
1040	Patient Arrived Dest Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before Unit Notified Dispatch Date. Rule ID 1040	Active
1041	Patient Arrived Dest Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before Dispatch Notified Date. Rule ID 1041	Active
1042	Patient Arrived Dest Date Before PSAP Call Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before PSAP Call Date. Rule ID 1042	Active
1043	Patient Arrived Dest Date Before Incident Onset Date (Logical)	Logical	-1	E5.10 - Patient Arrived at Destination Date/Time	Patient Arrived Dest Date is before Incident Onset Date. Rule ID 1043	Active
1044	Unit Back Service Date Missing (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date has not been entered. Rule ID 1044	Active
1045	Unit Back Service Date Before Unit Cancelled Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Unit Cancelled Date. Rule ID 1045	Active
1046	Unit Back Service Date Before Patient Arrived Dest Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Patient Arrived Dest Date. Rule ID 1046	Active
1047	Unit Back Service Date Before Transfer Patient Care Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Transfer Patient Care Date. Rule ID 1047	Active
1048	Unit Back Service Date Before Unit Left Scene Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Unit Left Scene Date. Rule ID 1048	Active
1049	Unit Back Service Date Before Arrived Patient Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Arrived Patient Date.	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1050	Unit Back Service Date Before Unit Arrived Scene Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Unit Arrived Scene Date. Rule ID 1050	Active
1051	Unit Back Service Date Before Unit En Route Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Unit En Route Date. Rule ID 1051	Active
1052	Unit Back Service Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Unit Notified Dispatch Date. Rule ID 1052	Active
1053	Unit Back Service Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Dispatch Notified Date. Rule ID 1053	Active
1054	Unit Back Service Date Before PSAP Call Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before PSAP Call Date. Rule ID 1054	Active
1055	Unit Back Service Date Before Incident Onset Date (Logical)	Logical	-1	E5.11 - Unit Back in Service Date/Time	Unit Back Service Date is before Incident Onset Date. Rule ID 1055	Active
1056	Unit Cancelled Date Before Patient Arrived Dest Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Patient Arrived Dest Date. Rule ID 1056	Active
1057	Unit Cancelled Date Before Transfer Patient Care Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Transfer Patient Care Date.	Active
1058	Unit Cancelled Date Before Unit Left Scene Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Unit Left Scene Date.	Active
1059	Unit Cancelled Date Before Arrived Patient Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Arrived Patient Date.	Active
1060	Unit Cancelled Date Before Unit Arrived Scene Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Unit Arrived Scene Date.	Active
1061	Unit Cancelled Date Before Unit En Route Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Unit En Route Date.	Active
1062	Unit Cancelled Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Unit Notified Dispatch Date.	Active
1063	Unit Cancelled Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before Dispatch Notified Date.	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1064	Unit Cancelled Date Before PSAP Call Date (Logical)	Logical	-1	E5.12 - Unit Cancelled Date/Time	Unit Cancelled Date is before PSAP Call Date.	Active
1065	Unit Back Home Loc Date Before Unit Cancelled Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Unit Cancelled Date.	Active
1066	Unit Back Home Loc Date Before Patient Arrived Dest Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Patient Arrived Dest Date.	Active
1067	Unit Back Home Loc Date Before Transfer Patient Care Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Transfer Patient Care Date.	Active
1068	Unit Back Home Loc Date Before Unit Left Scene Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Unit Left Scene Date.	Active
1069	Unit Back Home Loc Date Before Arrived Patient Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Arrived Patient Date.	Active
1070	Unit Back Home Loc Date Before Unit Arrived Scene Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Unit Arrived Scene Date.	Active
1071	Unit Back Home Loc Date Before Unit En Route Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Unit En Route Date.	Active
1072	Unit Back Home Loc Date Before Unit Notified Dispatch Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Unit Notified Dispatch Date.	Active
1073	Unit Back Home Loc Date Before Dispatch Notified Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Dispatch Notified Date.	Active
1074	Unit Back Home Loc Date Before PSAP Call Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before PSAP Call Date.	Active
1075	Unit Back Home Loc Date Before Incident Onset Date (Logical)	Logical	-1	E5.13 - Unit Back at Home Location Date/Time	Unit Back Home Loc Date is before Incident Onset Date.	Active
1076	Time Initial Resp Scene Before Incident Onset Date (Logical)	Logical	-1	E8.4 - Date/Time Initial Responder Arrived on Scene	Time Initial Resp Scene is before Incident Onset Date. Rule ID 1076	Active
1077	Time Initial Resp Scene After Unit Back Service Date (Logical)	Logical	-1	E8.4 - Date/Time Initial Responder Arrived on Scene	Time Initial Resp Scene is after Unit Back Service Date. Rule ID 177	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1078	Date Vital Signs Taken Before Arrived Patient Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is before Arrived Patient Date. Rule 1078	Active
1079	Date Vital Signs Taken Before Unit Arrived Scene Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is before Unit Arrived Scene Date. Rule ID 1079	Active
1080	Date Vital Signs Taken Before Unit En Route Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is before Unit En Route Date. Rule 1080	Active
1081	Date Vital Signs Taken Before Unit Notified Dispatch Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is before Unit Notified Dispatch Date. Rule ID 1081	Active
1082	Date Vital Signs Taken Before Dispatch Notified Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is before Dispatch Notified Date. Rule ID 1082	Active
1083	Date Vital Signs Taken Before PSAP Call Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is before PSAP Call Date. Rule ID 1083	Active
1084	Date Vital Signs Taken Before Incident Onset Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is before Incident Onset Date. Rule ID 1084	Active
1085	Date Vital Signs Taken After Unit Back Service Date (Logical)	Logical	-1	E14.1 - Date/Time Vital Signs Taken	Date Vital Signs Taken is after Unit Back Service Date. Rule ID 1085	Active
1086	Assess Date Time Before Arrived Patient Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is before Arrived Patient Date. Rule ID 1086	Active
1087	Assess Date Time Before Unit Arrived Scene Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is before Unit Arrived Scene Date. Rule ID 1087	Active
1088	Assess Date Time Before Unit En Route Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is before Unit En Route Date. Rule ID 1088	Active
1089	Assess Date Time Before Unit Notified Dispatch Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is before Unit Notified Dispatch Date. Rule ID 1089	Active
1090	Assess Date Time Before Dispatch Notified Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is before Dispatch Notified Date. Rule ID 1090	Active
1091	Assess Date Time Before PSAP Call Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is before PSAP Call Date. Rule ID 1091	Active
1092	Assess Date Time Before Incident Onset Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is before Incident Onset Date. Rule ID 1092	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1093	Assess Date Time After Unit Back Service Date (Logical)	Logical	-1	E16.3 - Date/Time of Assessment	Assess Date Time is after Unit Back Service Date. Rule ID 1093	Active
1094	Date Medic Admin Before Arrived Patient Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is before Arrived Patient Date. Rule ID 1094	Active
1095	Date Medic Admin Before Unit Arrived Scene Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is before Unit Arrived Scene Date. Rule ID 1095	Active
1096	Date Medic Admin Before Unit En Route Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is before Unit En Route Date. Rules ID 1096	Active
1097	Date Medic Admin Before Unit Notified Dispatch Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is before Unit Notified Dispatch Date. Rule ID 1097	Active
1098	Date Medic Admin Before Dispatch Notified Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is before Dispatch Notified Date. Rule ID 1098	Active
1099	Date Medic Admin Before PSAP Call Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is before PSAP Call Date. Rule ID 1099	Active
1100	Date Medic Admin Before Incident Onset Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is before Incident Onset Date. Rule ID 1100	Active
1101	Date Medic Admin After Unit Back Service Date (Logical)	Logical	-1	E18.1 - Date/Time Medication Administered	Date Medic Admin is after Unit Back Service Date. Rule ID 1101	Active
1102	Date Proc Performed Before Arrived Patient Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is before Arrived Patient Date. Rule ID 1102	Active
1103	Date Proc Performed Before Unit Arrived Scene Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is before Unit Arrived Scene Date. Rule ID 1103	Active
1104	Date Proc Performed Before Unit En Route Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is before Unit En Route Date. Rule ID 1104	Active
1105	Date Proc Performed Before Unit Notified Dispatch Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is before Unit Notified Dispatch Date. Rule ID 1105	Active
1106	Date Proc Performed Before Dispatch Notified Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is before Dispatch Notified Date. Rule ID 1106	Active
1107	Date Proc Performed Before PSAP Call Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is before PSAP Call Date. Rule ID 1107	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1108	Date Proc Performed Before Incident Onset Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is before Incident Onset Date. Rule ID 1108	Active
1109	Date Proc Performed After Unit Back Service Date (Logical)	Logical	-1	E19.1 - Date/Time Procedure Performed Successfully	Date Proc Performed is after Unit Back Service Date. Rule ID 1109	Active
1111	Record Information: Software Creator	Local	-1	E1.2 - Software Creator	The name of the software vendor who created/developed the software cannot be blank. Rule ID 1111	Active
1112	Patient Released to Dest. Staff Date/Time is Blank	State	-1	IT5.26 - Time provider released patient care to the hospital	Patient Released to Destination Staff Date/Time cannot be blank if patient was treated & transported. Rule ID 1112	Active
1113	Patient Released to Destinatin Staff Date/Time is blank	State	-1	E20.10 - Incident/Patient Disposition	Patient Released to Destination Staff Date/Time cannot be blank if patient was treated and transported. Rule ID 1113	Active
1114	Cardiac Arrest Etiology	State	-1	E11.2 - Cardiac Arrest Etiology	If Cardiac Arrest is Yes, Cardiac Arrest Etiology cannot be blank. Rule ID 1114	Active
1115	Resuscitation Attempted	State	-1	E11.3 - Resuscitation Attempted	If Cardiac Arrest is Yes, Resuscitation Attempted cannot be blank. Rule ID 1115	Active
1116	Cardiac Arrest Witnessed By	State	-1	E11.4 - Arrest Witnessed By	If Cardiac Arrest is Yes, Cardiac Arrest Witnessed By cannot be blank. Rule ID 1116	Active
1117	First Monitored Rhythm of the Patient	State	-1	E11.5 - First Monitored Rhythm of the Patient	If Cardiac Arrest is Yes, First Monitored Rhythm of the Patient cannot be blank. Rule ID 1117	Active
1118	Any Return of Spontaneous Circulation	State	-1	E11.6 - Any Return Of Spontaneous Circulation	If Cardiac Arrest is Yes, Any Return of Spontaneous Circulation cannot be blank. Rule ID 1118	Active
1119	Resuscitation Discontinued	State	-1	E11.10 - Reason CPR Discontinued	If Reason CPR Discontinued is given and not a Null, Date/Time Resuscitation Discontinued cannot be blank. Rule ID 1119	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1120	Cardiac Arrest	State	-1	E11.1 - Cardiac Arrest	Cardiac Arrest cannot be blank. Rule ID 1120	Active
1121	Impression Cardiac but 1st Rhythm blank	State	-1	E11.5 - First Monitored Rhythm of the Patient	If Primary Impression is Cardiac, 1st monitored rhythm of patient cannot be blank. Rule ID 1121	Active
1122	Stemi 12 Lead Used - blank	State	-1	IT12.2 - Stemi 12 Lead Used	If Stemi Triage Criteria is Yes, Stemi 12 Lead Used cannot be blank. Rule ID 1122	Active
1123	Stemi Triage Criteria - Blank	State	-1	IT12.1 - Stemi Triage Criteria	Stemi Triage Criteria cannot be blank. Rule ID 1123	Active
1124	Impression Cardiac but Etiology Blank	State	-1	E11.2 - Cardiac Arrest Etiology	Primary or Secondary Impression is Cardiac, but Cardiac Arrest Etiology is blank. Rule ID 1124	Active
1125	Impression Cardiac but Resus attempt blank	State	-1	E11.3 - Resuscitation Attempted	If Primary or Secondary Impression is Cardiac, Resuscitation Attempted cannot be blank. Rule ID 1125	Active
1126	Impression is Cardiac but Witnessed is Blank	State	-1	E11.4 - Arrest Witnessed By	If Primary or Secondary Impression is Cardiac, Arrest Witnessed by cannot be blank. Rule ID 1126	Active
1127	Cardiac indicated, CPR Discontinued but Date/Time Resuscitation Discontinued blank	State	-1	E11.9 - Date/Time Resuscitation Discontinued	If Impression is Cardiac or Cardiac Yes, and Reason Resuscitation Discontinued is indicated, so Date/Time Resuscitation Discontinued cannot be blank. Rule ID 1127	Active
1128	Impression is Cardiac but ROSC is blank	State	-1	E11.6 - Any Return Of Spontaneous Circulation	If Primary or Secondary Impression is Cardiac, Any Return of Spontaneous Circulation cannot be blank. Rule ID 1128	Active
1129	Impression Cardiac and CPR stopped Blank	State	-1	E11.10 - Reason CPR Discontinued	If Impression is Cardiac or Cardiac Arrest is Yes & Resuscitation Attempted, then Reason CPR Discontinued cannot be blank. Rule ID 1129	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1130	Injury Cause/Mechanism/Intent blank	State	-1	E10.3 - Mechanism of Injury	If possible Injury is Yes, Mechanism of Injury cannot be blank. Rule ID 1130	Active
1131	Injury involving Vehicle but Vehcile Imact blank	State	-1	E10.4 - Vehicular Injury Indicators	If Cause of Injury indicates a Vehicle is involved, but Vehicular Injury Indicators is blank Rule ID 1131	Active
1132	Injury involves Vehicle but Patient Seat Row or Position blank	State	-1	E10.6 - Seat Row Location of Patient in Vehicle	If Cause of Injury indicates Vehicle involvement, Seat Row Location of Patient in Vehcile cannot be blank. Rule ID 1132	Active
1133	Injury indicates vehicle involvement but Safety Equipment blank	State	-1	E10.8 - Use of Occupant Safety Equipment	If Cause of Injury may allow for a safety equipment, but Use of Occupant Safety Equipment is blank. Rule ID 1133	Active
1134	Injury involves vehicle but Airbag blank	State	-1	E10.9 - Airbag Deployment	If Cause of Injury indicates vehicle involvement, Airbag Deployment cannot be blank. Rule ID 1134	Active
1135	Injury is fall but height of fall blank	State	-1	E10.10 - Height of Fall	If Cause of Injury is Fall, Height of Fall cannot be blank Rule ID 1135	Active
1136	Possible Injury cannot be blank	State	-1	E9.4 - Possible Injury	If patient contact, Possible Injury cannot be blank. Rule ID 1136	Active
1137	Protective Device incompatible with Cause of Injury	State	-1	E10.1 - Cause Of Injury	If Protective Device contains belt or car seat, Cause of Injury cannot be blank and must be vehicle related. Rule ID 1137	Active
1138	Injury but Cause of Injury Blank	State	-1	E10.1 - Cause Of Injury	If Possible Injury is Yes, Cause of Injury cannot be blank. Rule ID 1138	Active
1139	Injury but Intent Blank	State	-1	E10.2 - Intent Of The Injury	If Possible Injury is Yes, Intent of Injury cannot be blank. Rule ID 1139	Active
1140	Injury indicates Vehicle involved Area Impacted is blank		-1	E10.5 - Area of the Vehicle impacted by the collision	If Cause of Injury indicates a Vehicle is involved, but Area Impacted is blank Rule ID 1140	Active

Rule ID	Description	Level	Value	Field	Error Message	Status
1141	Injury involves vehicle, but Patient Position blank	State	-1	E10.7 - Position of Patient in the Seat of the Vehicle	If Cause of Injury indicates Vehicle involvement, Position of Patient in the Seat of the Vehicle cannot be blank. Rule ID 1141	Active
1142	Patient Contact but Age & Date of Birth blank	State	-2	E6.14 - Age	If Patient contact, Age & Date of Birth cannot both be blank. Rule ID 1142	Active
1143	Hospital Name blank	State	-2	E20.1 - Destination Transferred To, Name	If Destination Type is Hospital, Destination Name cannot be blank. Rule ID 1143	Active

Validity Rule Comparisons

RuleID		Field	Comparison	Value or Field	
30		E6.1 - Last Name	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
32	((	E20.17 - Type Of Destination	Equals	[blank]	
	Or	E20.17 - Type Of Destination	Less Than	0)
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))
37		E5.5 - Unit EnRoute Date/Time	Equals	[blank]	
	And	E20.10 - Incident/Patient Disposition	Equals	Cancelled	
38		E8.11 - Incident Address	Equals	[blank]	
	Or	E8.11 - Incident Address	Less Than	0	
39		E6.2 - First Name	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)

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RuleID		Field	Comparison	Value or Field	
40		E6.8 - Patient's Home Zip	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	405006	
	Or	E20.10 - Incident/Patient Disposition	Equals	405005	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
41		E6.4 - Patient's Home Address	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
42		E5.6 - Unit Arrived on Scene Date/Time	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	[blank]	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
43		E20.1 - Destination Transferred To, Name	Less Than	0	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))

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RuleID		Field	Comparison	Value or Field	
45		E5.10 - Patient Arrived at Destination Date/Time	Less Than	E5.9 - Unit Left Scene Date/Time	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))
46		E8.15 - Incident Zip Code	Equals	[blank]	
47		E6.10 - SSN	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
52		E8.12 - Incident City	Equals	[blank]	
76		E2.2 - Incident Number	Equals	[blank]	
	Or	E2.2 - Incident Number	Begins With	-	
77		E1.1 - Patient Care Report Number	Equals	[blank]	
	Or	E1.1 - Patient Care Report Number	Less Than	0	
78		E5.1 - Incident or Onset Date/Time	Equals	[blank]	
	And	E20.10 - Incident/Patient Disposition	Not Equals	Cancelled	
	And	E20.10 - Incident/Patient Disposition	Not Equals	No Patient Found	
	And	E20.10 - Incident/Patient Disposition	Not Equals	Standby Only - No Patient Contacts	
	And	E20.10 - Incident/Patient Disposition	Not Equals	Dead at Scene	
	And	E20.10 - Incident/Patient Disposition	Not Equals	No Treatment Required	
	And	E20.10 - Incident/Patient Disposition	Not Equals	Patient Refused Care	
	And	E2.4 - Type Of Service Requested	Not Equals	Interfacility Transfer (Scheduled)	
	And	E2.4 - Type Of Service Requested	Not Equals	Medical Transport	
	And	E2.4 - Type Of Service Requested	Not Equals	Standby	

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RuleID		Field	Comparison	Value or Field
	And	E12.1 - Barriers To Patient Care	Not List Contains	Unconscious
79		E2.11 - EMS Unit/Vehicle Number	Equals	[blank]
81		E3.1 - Complaint Reported By Dispatch	Equals	0
82		E20.16 - Reason For Choosing Destination	Less Than	0
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)
)
83		E2.4 - Type Of Service Requested	Equals	[blank]
	Or	E2.4 - Type Of Service Requested	Less Than	0
84		E2.5 - Primary Role Of The Unit	Equals	[blank]
	Or	E2.5 - Primary Role Of The Unit	Less Than	0
85		E20.10 - Incident/Patient Disposition	Equals	[blank]
	Or	E20.10 - Incident/Patient Disposition	Less Than	0
86		E2.20 - Response Mode To Scene	Equals	[blank]
	Or	E2.20 - Response Mode To Scene	Less Than	0
87		E20.14 - Transport Mode From Scene	Less Than	0
	And	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)
88		E6.11 - Gender	Equals	0
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care
	Or	E20.10 - Incident/Patient Disposition	Equals	[blank]
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle

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RuleID		Field	Comparison	Value or Field	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
89		E6.16 - Date Of Birth	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
90		E8.7 - Incident Location Type	Less Than		0
	Or	E8.7 - Incident Location Type	Equals	[blank]	
91		E9.5 - Chief Complaint	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	[blank]	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle)
92		E9.13 - Primary Symptom	Equals		0
93		E9.15 - Providers Primary Impression	Less Than		0
	Or	E9.15 - Providers Primary Impression	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	

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RuleID		Field	Comparison	Value or Field	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))
94		E5.10 - Patient Arrived at Destination Date/Time	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))
95		E5.6 - Unit Arrived on Scene Date/Time	Less Than	E5.5 - Unit EnRoute Date/Time	
	And (	E20.10 - Incident/Patient Disposition	Not Equals	Cancelled)
96		E5.5 - Unit EnRoute Date/Time	Less Than	E5.4 - Unit Notified by Dispatch Date/Time	
97		E5.11 - Unit Back in Service Date/Time	Equals	[blank]	
98		E5.9 - Unit Left Scene Date/Time	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS))
99		E5.4 - Unit Notified by Dispatch Date/Time	Equals	[blank]	
100		E5.7 - Arrived at Patient Date/Time	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)

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RuleID		Field	Comparison	Value or Field	
101		E5.7 - Arrived at Patient Date/Time	Less Than	E5.6 - Unit Arrived on Scene Date/Time	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
103		E5.11 - Unit Back in Service Date/Time	Less Than	E5.10 - Patient Arrived at Destination Date/Time	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))
105		E5.4 - Unit Notified by Dispatch Date/Time	Less Than	E5.3 - Dispatch Notified Date/Time	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
106		E5.9 - Unit Left Scene Date/Time	Less Than	E5.7 - Arrived at Patient Date/Time	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS))
107		E5.3 - Dispatch Notified Date/Time	Equals	[blank]	
108		E8.13 - Incident County	Equals	[blank]	
109		E8.14 - Incident State	Equals	[blank]	
110		E6.5 - Patient's Home City	Equals	[blank]	
	And	E6.7 - Patient's Home State	Equals	AZ	
111		E6.6 - Patient's Home County	Equals	[blank]	
	And	E6.9 - Patient's Home Country	Equals	United States	
	And	E6.7 - Patient's Home State	Equals	AZ	

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RuleID		Field	Comparison	Value or Field	
112		E6.7 - Patient's Home State	Equals	[blank]	
	And	E6.9 - Patient's Home Country	Equals	United States	
116		E20.14 - Transport Mode From Scene	Less Than		0
	And	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
119	(	E9.15 - Providers Primary Impression	Equals	Electrocution	
	Or	E9.15 - Providers Primary Impression	Equals	Traumatic Injury	
	Or	E9.15 - Providers Primary Impression	Equals	Sexual Assault/Rape)
	And	E9.4 - Possible Injury	Not Equals	Yes	
120	(	E9.16 - Providers Secondary Impression	Equals	Traumatic Injury	
	Or	E9.16 - Providers Secondary Impression	Equals	Electrocution	
	Or	E9.16 - Providers Secondary Impression	Equals	Sexual Assault/Rape)
	And	E9.4 - Possible Injury	Not Equals	Yes	
121		E2.7 - Type Of Response Delay	List Contains	Not Applicable	
	And	[Count Of] - E2.7 - Type Of Response Delay	Greater Than		1
122		E2.6 - Type Of Dispatch Delay	List Contains	Not Applicable	
	And	[Count Of] - E2.6 - Type Of Dispatch Delay	Greater Than		1
123		E2.8 - Type Of Scene Delay	List Contains	Not Applicable	
	And	[Count Of] - E2.8 - Type Of Scene Delay	Greater Than		1
124		E2.9 - Type Of Transport Delay	List Contains	Not Applicable	
	And	[Count Of] - E2.9 - Type Of Transport Delay	Greater Than		1
125		E2.10 - Type Of Turn-Around Delay	List Contains	Not Applicable	
	And	[Count Of] - E2.10 - Type Of Turn-Around Delay	Greater Than		1
126		E12.1 - Barriers To Patient Care	List Contains	Not Applicable	

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RuleID		Field	Comparison	Value or Field	
	And	[Count Of] - E12.1 - Barriers To Patient Care	Greater Than		1
	And	(E20.10 - Incident/Patient Disposition	Not Equals	Cancelled	
	And	E20.10 - Incident/Patient Disposition	Not Equals	No Patient Found	
	And	E20.10 - Incident/Patient Disposition	Not Equals	Standby Only - No Patient Contacts)
127		D4.4 - Procedures	List Contains	Not Applicable	
	And	[Count Of] - E19.1 - Date/Time Procedure Perform...	Greater Than		1
128		E5.11 - Unit Back in Service Date/Time	Less Than	E5.4 - Unit Notified by Dispatch Date/Time	
129		E8.6 - Mass Casualty Incident	Equals	Yes	
	And	E8.5 - Number Of Patients At Scene	Not Equals	Multiple	
130		E5.7 - Arrived at Patient Date/Time	Less Than	E5.5 - Unit EnRoute Date/Time	
	And	(E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS))
131		E5.7 - Arrived at Patient Date/Time	Less Than	E5.4 - Unit Notified by Dispatch Date/Time	
	And	(E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS))
132		E6.14 - Age	Equals	#	
	And	E6.15 - Age Units	Equals		0
133		E5.9 - Unit Left Scene Date/Time	Less Than	E5.6 - Unit Arrived on Scene Date/Time	
	And	(E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS)
134		E10.1 - Cause Of Injury	Greater Than		0
	And	E9.4 - Possible Injury	Not Equals	Yes	

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RuleID		Field	Comparison	Value or Field	
135	(E19.9 - Procedure Crew Members ID	List Contains	[blank]	
	Or	E19.9 - Procedure Crew Members ID	List Contains	Not Applicable)
	And	E19.1 - Date/Time Procedure Performed Successfully	Not List Contains	[blank]	
136		E4.3 - Crew Member Level	List Contains	[blank]	
137		E6.13 - Ethnicity	Equals	[blank]	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	[blank]	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required)
138		E6.12 - Race	Equals	[blank]	
	Or	E6.12 - Race	Equals	Not Applicable	
	And (	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	[blank]	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))
144		E2.12 - EMS Unit Call Sign (Radio Number)	Equals	[blank]	
	Or	E2.12 - EMS Unit Call Sign (Radio Number)	Equals		-20
	Or	E2.12 - EMS Unit Call Sign (Radio Number)	Equals		-25
	Or	E2.12 - EMS Unit Call Sign (Radio Number)	Equals		-15
145		E13.1 - Run Report Narrative	Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
1001		E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1002		E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Before	E5.2 - PSAP Call Date/Time	
1003		E5.4 - Unit Notified by Dispatch Date/Time	Equals	[blank]	
1004		E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1005		E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Before	E5.2 - PSAP Call Date/Time	
1006		E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1007		E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1008		E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1009		E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Before	E5.2 - PSAP Call Date/Time	

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RuleID		Field	Comparison	Value or Field	
1010		E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1011		E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1012		E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1013		E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1014		E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Before	E5.2 - PSAP Call Date/Time	
1015		E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1016		E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Before	E5.6 - Unit Arrived on Scene Date/Time	
1017		E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1018		E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1019		E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1020		E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Before	E5.2 - PSAP Call Date/Time	
1021		E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1022		E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Before	E5.7 - Arrived at Patient Date/Time	
1023		E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Before	E5.6 - Unit Arrived on Scene Date/Time	
1024		E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1025		E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1026		E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Before	E5.3 - Dispatch Notified Date/Time	

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RuleID		Field	Comparison	Value or Field	
1027		E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Before	E5.2 - PSAP Call Date/Time	
1028		E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1029		E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Before	E5.7 - Arrived at Patient Date/Time	
1030		E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Before	E5.6 - Unit Arrived on Scene Date/Time	
1031		E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1032		E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1033		E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1034		E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Before	E5.2 - PSAP Call Date/Time	
1035		E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1036		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.9 - Unit Left Scene Date/Time	
1037		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.7 - Arrived at Patient Date/Time	
1038		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.6 - Unit Arrived on Scene Date/Time	
1039		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1040		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1041		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1042		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.2 - PSAP Call Date/Time	
1043		E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
	And	E5.10 - Patient Arrived at Destination Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1044		E5.11 - Unit Back in Service Date/Time	Equals	[blank]	
1045		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.12 - Unit Cancelled Date/Time	
1046		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.10 - Patient Arrived at Destination Date/Time	
1047		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.8 - Transfer of Patient Care Date/Time	
1048		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.9 - Unit Left Scene Date/Time	
1049		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.7 - Arrived at Patient Date/Time	
1050		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.6 - Unit Arrived on Scene Date/Time	
1051		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1052		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1053		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1054		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.2 - PSAP Call Date/Time	
1055		E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1056		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.10 - Patient Arrived at Destination Date/Time	
1057		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.8 - Transfer of Patient Care Date/Time	
1058		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.9 - Unit Left Scene Date/Time	
1059		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.7 - Arrived at Patient Date/Time	
1060		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.6 - Unit Arrived on Scene Date/Time	

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RuleID		Field	Comparison	Value or Field	
1061		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1062		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1063		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1064		E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Before	E5.2 - PSAP Call Date/Time	
1065		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.12 - Unit Cancelled Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.12 - Unit Cancelled Date/Time	
1066		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.10 - Patient Arrived at Destination Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.10 - Patient Arrived at Destination Date/Time	
1067		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.8 - Transfer of Patient Care Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.8 - Transfer of Patient Care Date/Time	
1068		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.9 - Unit Left Scene Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.9 - Unit Left Scene Date/Time	
1069		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.7 - Arrived at Patient Date/Time	
1070		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.6 - Unit Arrived on Scene Date/Time	
1071		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.5 - Unit EnRoute Date/Time	
1072		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1073		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.3 - Dispatch Notified Date/Time	
1074		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.2 - PSAP Call Date/Time	
1075		E5.13 - Unit Back at Home Location Date/Time	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E5.13 - Unit Back at Home Location Date/Time	Before	E5.1 - Incident or Onset Date/Time	
1076		E8.4 - Date/Time Initial Responder Arrived on Scen...	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E8.4 - Date/Time Initial Responder Arrived on Scen...	Before	E5.1 - Incident or Onset Date/Time	

RuleID		Field	Comparison	Value or Field	
1077		E8.4 - Date/Time Initial Responder Arrived on Scen...	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E8.4 - Date/Time Initial Responder Arrived on Scen...	After	E5.11 - Unit Back in Service Date/Time	
1078		E14.2 - Obtained Prior to this Units EMS Care	Not Equals	Yes	
	And	E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	Before	E5.7 - Arrived at Patient Date/Time	
1079		E14.2 - Obtained Prior to this Units EMS Care	Not Equals	Yes	
	And	E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	Before	E5.6 - Unit Arrived on Scene Date/Time	
1080		E14.2 - Obtained Prior to this Units EMS Care	Not Equals	Yes	
	And	E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	Before	E5.5 - Unit EnRoute Date/Time	
1081		E14.2 - Obtained Prior to this Units EMS Care	Not Equals	Yes	
	And	E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1082		E14.2 - Obtained Prior to this Units EMS Care	Not Equals	Yes	
	And	E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	Before	E5.3 - Dispatch Notified Date/Time	
1083		E14.2 - Obtained Prior to this Units EMS Care	Not Equals	Yes	
	And	E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	Before	E5.2 - PSAP Call Date/Time	

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RuleID		Field	Comparison	Value or Field	
1084		E14.2 - Obtained Prior to this Units EMS Care	Not Equals	Yes	
	And	E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	Before	E5.1 - Incident or Onset Date/Time	
1085		E14.1 - Date/Time Vital Signs Taken	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E14.1 - Date/Time Vital Signs Taken	After	E5.11 - Unit Back in Service Date/Time	
1086		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	Before	E5.7 - Arrived at Patient Date/Time	
1087		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	Before	E5.6 - Unit Arrived on Scene Date/Time	
1088		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	Before	E5.5 - Unit EnRoute Date/Time	
1089		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1090		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	Before	E5.3 - Dispatch Notified Date/Time	
1091		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	Before	E5.2 - PSAP Call Date/Time	

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RuleID		Field	Comparison	Value or Field	
1092		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	Before	E5.1 - Incident or Onset Date/Time	
1093		E16.3 - Date/Time of Assessment	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E16.3 - Date/Time of Assessment	After	E5.11 - Unit Back in Service Date/Time	
1094		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	Before	E5.7 - Arrived at Patient Date/Time	
1095		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	Before	E5.6 - Unit Arrived on Scene Date/Time	
1096		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	Before	E5.5 - Unit EnRoute Date/Time	
1097		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	Before	E5.4 - Unit Notified by Dispatch Date/Time	
1098		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	Before	E5.3 - Dispatch Notified Date/Time	
1099		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	Before	E5.2 - PSAP Call Date/Time	
1100		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	Before	E5.1 - Incident or Onset Date/Time	
1101		E18.2 - Medication Administered Prior to this Unit...	Not Equals	Yes	
	And	E18.1 - Date/Time Medication Administered	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E18.1 - Date/Time Medication Administered	After	E5.11 - Unit Back in Service Date/Time	
1102		E19.2 - Procedure Performed Prior to this Units EM...	Not Equals	Yes	
	And	E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]	
	And	E5.7 - Arrived at Patient Date/Time	Not Equals	[blank]	
	And	E19.1 - Date/Time Procedure Performed Successfully	Before	E5.7 - Arrived at Patient Date/Time	
1103		E19.2 - Procedure Performed Prior to this Units EM...	Not Equals	Yes	
	And	E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]	
	And	E5.6 - Unit Arrived on Scene Date/Time	Not Equals	[blank]	

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RuleID		Field	Comparison	Value or Field
	And	E19.1 - Date/Time Procedure Performed Successfully	Before	E5.6 - Unit Arrived on Scene Date/Time
1104		E19.2 - Procedure Performed Prior to this Units EM...	Not Equals	Yes
	And	E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]
	And	E5.5 - Unit EnRoute Date/Time	Not Equals	[blank]
	And	E19.1 - Date/Time Procedure Performed Successfully	Before	E5.5 - Unit EnRoute Date/Time
1105		E19.2 - Procedure Performed Prior to this Units EM...	Not Equals	Yes
	And	E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]
	And	E5.4 - Unit Notified by Dispatch Date/Time	Not Equals	[blank]
	And	E19.1 - Date/Time Procedure Performed Successfully	Before	E5.4 - Unit Notified by Dispatch Date/Time
1106		E19.2 - Procedure Performed Prior to this Units EM...	Not Equals	Yes
	And	E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]
	And	E5.3 - Dispatch Notified Date/Time	Not Equals	[blank]
	And	E19.1 - Date/Time Procedure Performed Successfully	Before	E5.3 - Dispatch Notified Date/Time
1107		E19.2 - Procedure Performed Prior to this Units EM...	Not Equals	Yes
	And	E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]
	And	E5.2 - PSAP Call Date/Time	Not Equals	[blank]

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RuleID		Field	Comparison	Value or Field	
	And	E19.1 - Date/Time Procedure Performed Successfully	Before	E5.2 - PSAP Call Date/Time	
1108		E19.2 - Procedure Performed Prior to this Units EM...	Not Equals	Yes	
	And	E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]	
	And	E5.1 - Incident or Onset Date/Time	Not Equals	[blank]	
	And	E19.1 - Date/Time Procedure Performed Successfully	Before	E5.1 - Incident or Onset Date/Time	
1109		E19.1 - Date/Time Procedure Performed Successfully	Not Equals	[blank]	
	And	E5.11 - Unit Back in Service Date/Time	Not Equals	[blank]	
	And	E19.1 - Date/Time Procedure Performed Successfully	After	E5.11 - Unit Back in Service Date/Time	
1111		E1.2 - Software Creator	Equals	[blank]	
1112	(	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS))
	And	IT5.26 - Time provider released patient care to th...	Equals	[blank]	
1113		E1.2 - Software Creator	Not Contains	Image	
	And	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
1114	(	E11.1 - Cardiac Arrest	Equals	Yes, After EMS Arrival	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, Prior to EMS Arrival)
	And	E11.2 - Cardiac Arrest Etiology	Equals	[blank]	
1115	(	E11.1 - Cardiac Arrest	Equals	Yes, After EMS Arrival	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, Prior to EMS Arrival)
	And	[Count Of] - E11.3 - Resuscitation Attempted	Equals	0	

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RuleID		Field	Comparison	Value or Field	
1116	(E11.1 - Cardiac Arrest	Equals	Yes, After EMS Arrival	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, Prior to EMS Arrival)
	And	E11.4 - Arrest Witnessed By	Equals	[blank]	
1117	(	E11.1 - Cardiac Arrest	Equals	Yes, After EMS Arrival	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, Prior to EMS Arrival)
	And	E11.5 - First Monitored Rhythm of the Patient	Equals	[blank]	
1118	(	E11.1 - Cardiac Arrest	Equals	Yes, After EMS Arrival	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, Prior to EMS Arrival)
	And	E11.6 - Any Return Of Spontaneous Circulation	Equals	[blank]	
1119		E11.10 - Reason CPR Discontinued	Greater Than	[blank]	
	And	E11.9 - Date/Time Resuscitation Discontinued	Equals	[blank]	
1120	(	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)
	And	E11.1 - Cardiac Arrest	Equals	[blank]	
1121	(	E9.15 - Providers Primary Impression	Equals	Cardiac Arrest	
	Or	E9.16 - Providers Secondary Impression	Equals	Cardiac Arrest)
	And	E11.5 - First Monitored Rhythm of the Patient	Equals	[blank]	
1122		IT12.1 - Stemi Triage Criteria	Equals	Yes	
	And	IT12.2 - Stemi 12 Lead Used	Equals	[blank]	

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RuleID		Field	Comparison	Value or Field	
1123	(E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle	
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care)
	And	IT12.1 - Stemi Triage Criteria	Equals	[blank]	
1124	(	E9.15 - Providers Primary Impression	Equals	Cardiac Arrest	
	Or	E9.16 - Providers Secondary Impression	Equals	Cardiac Arrest)
	And	E11.2 - Cardiac Arrest Etiology	Equals	[blank]	
1125	(	E9.15 - Providers Primary Impression	Equals	Cardiac Arrest	
	Or	E9.16 - Providers Secondary Impression	Equals	Cardiac Arrest)
	And	[Count Of] - E11.3 - Resuscitation Attempted	Equals	0	
1126	(	E9.15 - Providers Primary Impression	Equals	Cardiac Arrest	
	Or	E9.16 - Providers Secondary Impression	Equals	Cardiac Arrest)
	And	E11.4 - Arrest Witnessed By	Equals	[blank]	
1127	(	E9.15 - Providers Primary Impression	Equals	Cardiac Arrest	
	Or	E9.16 - Providers Secondary Impression	Equals	Cardiac Arrest	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, After EMS Arrival	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, Prior to EMS Arrival)
	And (	E11.10 - Reason CPR Discontinued	Not Equals	[blank]	
	Or	E11.10 - Reason CPR Discontinued	Not Equals	Not Applicable	
	Or	E11.10 - Reason CPR Discontinued	Not Equals	Not Reporting)
	And	E11.9 - Date/Time Resuscitation Discontinued	Equals	[blank]	
1128	(E9.15 - Providers Primary Impression	Equals	Cardiac Arrest	
	Or	E9.16 - Providers Secondary Impression	Equals	Cardiac Arrest)

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RuleID		Field	Comparison	Value or Field	
	And	E11.6 - Any Return Of Spontaneous Circulation	Equals	[blank]	
1129	( (	E9.15 - Providers Primary Impression	Equals	Cardiac Arrest	
	Or	E9.16 - Providers Secondary Impression	Equals	Cardiac Arrest	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, After EMS Arrival	
	Or	E11.1 - Cardiac Arrest	Equals	Yes, Prior to EMS Arrival)
	And (	E11.3 - Resuscitation Attempted	List Contains	Attempted Defibrillation, Attempted Ventilation, I...))
	And	E11.10 - Reason CPR Discontinued	Equals	[blank]	
1130		E9.4 - Possible Injury	Equals	Yes	
	And	E10.3 - Mechanism of Injury	Not List Contains	Blunt, Burn, Not Applicable, Not Recorded, Not Rep...	
1131		E10.4 - Vehicular Injury Indicators	Not List Contains	Dash Deformity, DOA Same Vehicle, Ejection, Fire, ...	
	And (	E10.1 - Cause Of Injury	Equals	Motor Vehicle Non-Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Large Animal	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Pedestrian Accident)
1132	(	E10.1 - Cause Of Injury	Equals	Motor Vehicle Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Large Animal	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle Non-Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Pedestrian Accident)
	And	E10.6 - Seat Row Location of Patient in Vehicle	Equals	[blank]	
1133	(	E10.1 - Cause Of Injury	Not Equals	Caught in/between Objects	
	And	E10.1 - Cause Of Injury	Not Equals	Chemical Poisoning	
	And	E10.1 - Cause Of Injury	Not Equals	Lightning	
	And	E10.1 - Cause Of Injury	Not Equals	[blank]	
	And	E10.1 - Cause Of Injury	Not Equals	Child Battering	
	And	E10.1 - Cause Of Injury	Not Equals	Drug Poisoning	
	And	E10.1 - Cause Of Injury	Not Equals	Neglect/Malnutrition	

AZ-PIERS Active Draft Validation Rule Comparisons Apr. 26, 2013

RuleID		Field	Comparison	Value or Field		
	And	E10.1 - Cause Of Injury	Not Equals	Overexertion		
	And	E10.1 - Cause Of Injury	Not Equals	Sexual Assault		
	And	E10.1 - Cause Of Injury	Not Equals	Not Applicable		
	And	E10.1 - Cause Of Injury	Not Equals	Not Reporting		
	And	E10.1 - Cause Of Injury	Not Equals	Not Recorded		
	And	E10.1 - Cause Of Injury	Not Equals	Assault)	
	And	E10.8 - Use of Occupant Safety Equipment	Not List Contains	Child Restraint, Eye Protection, Helmet Worn, Lap ...		
1134	(	E10.1 - Cause Of Injury	Equals	Motor Vehicle Non-Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle Traffic Accident		
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Large Animal		
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Pedestrian Accident)	
	And	E10.9 - Airbag Deployment	Not List Contains	Airbag Deployed Front, Airbag Deployed Other (Knee...		
1135		E10.1 - Cause Of Injury	Equals	Falls		
	And	E10.10 - Height of Fall	Equals	[blank]		
1136	(	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)		
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS		
	Or	E20.10 - Incident/Patient Disposition	Equals	No Treatment Required		
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated and Released		
	Or	E20.10 - Incident/Patient Disposition	Equals	Patient Refused Care		
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care		
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Law Enforcement		
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by Private Vehicle		
	Or	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene)	
	And	E9.4 - Possible Injury	Equals	[blank]		
1137		E10.8 - Use of Occupant Safety Equipment	List Contains	Child Restraint, Lap Belt, Protective Safety Belt,...		
	And	((E10.1 - Cause Of Injury	Equals	[blank])
	Or	(E10.1 - Cause Of Injury	Not Equals	Motor Vehicle Non-Traffic Accident	

AZ-PIERS Active Draft Validation Rule Comparisons Apr. 26, 2013

RuleID		Field	Comparison	Value or Field	
	And	E10.1 - Cause Of Injury	Not Equals	Motor Vehicle Traffic Accident	
	And	E10.1 - Cause Of Injury	Not Equals	Motor Vehicle vs Large Animal	
	And	E10.1 - Cause Of Injury	Not Equals	Motor Vehicle vs Pedestrian Accident	
	And	E10.1 - Cause Of Injury	Not Equals	Not Applicable	
	And	E10.1 - Cause Of Injury	Not Equals	Not Reporting	
	And	E10.1 - Cause Of Injury	Not Equals	Not Recorded))
1138		E9.4 - Possible Injury	Equals	Yes	
	And	E10.1 - Cause Of Injury	Equals	[blank]	
1139		E9.4 - Possible Injury	Equals	Yes	
	And	E10.2 - Intent Of The Injury	Equals	[blank]	
1140		E10.5 - Area of the Vehicle impacted by the collis...	Not List Contains	Center Front, Center Rear, Left Front, Left Rear, ...	
	And (	E10.1 - Cause Of Injury	Equals	Motor Vehicle Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle Non-Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Large Animal	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Pedestrian Accident)
1141		E10.7 - Position of Patient in the Seat of the Veh...	Equals	[blank]	
	And (	E10.1 - Cause Of Injury	Equals	Motor Vehicle Non-Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle Traffic Accident	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Large Animal	
	Or	E10.1 - Cause Of Injury	Equals	Motor Vehicle vs Pedestrian Accident)
1142	(	E6.14 - Age	Equals	[blank]	
	And	E6.16 - Date Of Birth	Equals	[blank])
	And (	E20.10 - Incident/Patient Disposition	Equals	Dead at Scene	
	Or	E20.10 - Incident/Patient Disposition	Greater Than	No Patient Found)
1143		E20.17 - Type Of Destination	Equals	Hospital	
	And	E20.1 - Destination Transferred To, Name	Equals	[blank]	



Frequently Asked Questions Series

Obtaining Patient Outcome Data for Quality Improvement Initiatives

Question: Is a non-transporting EMS agency able to obtain information on the patient's condition from the transporting EMS agency (air or ground)?

Answer: Yes. A non-transporting EMS agency that provided treatment to a patient can request, and the transporting EMS agency can provide, patient information to the extent that the information requested pertains to the treatment provided by the non-transporting EMS agency; or the information requested is for the purpose of conducting utilization review, peer review, or quality assurance (QA). This is limited to the minimum necessary information reasonably necessary to accomplish the purpose for which the request is made. [ARS § 12-2294](#); [ARS § 36-509](#); [45 CFR § 164.502\(a\)\(1\)\(ii\)](#); [45 CFR § 164.506](#); [45 CFR § 164.514](#).

Question: I have heard that obtaining outcome data is only permitted when we bill for our services electronically, is that true?

Answer: No. Certain provisions of US Health Insurance Portability and Accountability Act (HIPAA) are related to the electronic transmission of data, but the eligibility of a qualified EMS provider to access patient outcome data does not require electronic billing. You are limited to the minimum amount of data as is described above.

Question: Can the Bureau obtain outcome data from hospitals as part of its QA efforts and report these data to EMS agencies?

Answer: Yes, because the Bureau is a "public health authority" authorized to collect and use these data in its statutorily identified quality improvement initiatives.

Question: Can my Administrative Medical Director or Base Hospital EMS Coordinator request and review outcome data as part of our EMS agency's quality improvement process?

Answer: Yes, to the extent that these individuals have a legal relationship (direct employment or contract) with your agency with defined roles and responsibilities within your QI process.

Question: Can an EMS agency request, and a destination hospital release, patient outcome information on a patient both entities treated?

Answer: Yes, to the extent that the information requested pertains to the treatment provided by the EMS agency; or the information is for the purpose of the EMS agency conducting utilization review, peer review, or quality assurance. The information is limited to the minimum reasonably necessary to accomplish the purpose for which the request is made. [ARS § 12-2294](#); [ARS § 36-509](#); [45 CFR § 164.502\(a\)\(1\)\(ii\)](#); [45 CFR § 164.506](#); [45 CFR § 164.514](#).



AZ PIERS
Registry Users Group
(EMSRUG)



Meeting Minutes
Monday July 29, 2013 - 9:30 a.m. – 11:30 a.m.
Location: Arizona Dept. of Health Services
150 North 18th Avenue Phoenix AZ 85007
5th Floor – 540A Conference Room
AZ PIERS Contacts:
Anne Vossbrink 602-364-3164 or Anne.Vossbrink@azdhs.gov
Rogelio Martinez 602-542-2246 or Rogelio.Martinez@azdhs.gov

- A) Welcome
- B) Introductions
- C) AZ-PIERS training
 - 1) Upcoming in-person: Aug. 14 & 15. August 14th & 15th cover the same topics; however August 14th has a segment on Agency set-up. August 15th does not have the Agency set-up portion but leaves more time for exploring the topics on the agenda further. These include: Layout editor, Report Writer, and the new QA/QI module.
 - 2) Feedback on webinars? Users who attended the webinars felt the topics were useful and learned some useful info. However, users agreed that they had issues accessing the webinar and that significant delays in webinar access were experienced by both AZ-PIERS users and ImageTrend staff. Some users were not able to access the webinar at all. We agreed that this needs to be addressed before we set up any additional webinar trainings.
- D) Validation Rules
 - 1) Comments on the June 2013 update – no comments were given. Current validation rules are available on the ADHS website at: <http://www.azdhs.gov/bems/data/PIERS.htm>
Under:
 - Data Elements**
 - [Validity Rules Comparison](#)
 - [AZ-PIERS Validation Rules](#)
 - 2) Future directions:
 - a) Validation Rules on custom required elements – Additional Validation rules will be created, as we start to increase our data quality and focus more on the required custom elements than we have during the first year of the AZ-PIERS data dictionary. All new validation rules will be put out to EMSRUG (either in meeting or via email) and the vendor contact group with 30 days to review prior to roll-out.
 - b) Reducing our Nulls and “Other” values – Currently, Null values and “other” values will not cause any reduction in validation score, provided they are valid values for that data element. Our next step is improving our data quality by focusing more on reducing the use of Nulls and “other”. This will be addressed using a combination of validation rules, reports on percentages of values, and the possibility of adding

needed values. It may be a certain variable is missing a needed value, or that a few particular providers may benefit from additional training on documentation. Suggestions on moving forward with this process are welcome. Validation rules are meant to express the quality of the data, and a 100% validation score on EVERY ePCR need not be the goal – rather a median validation score in a higher percentage range will likely be used as a quality measurement.

- E) Inter-facility validation rules: A request for volunteers was made to review the validation rules as to how they might need to be modified for inter-facility transfers. Any notes that could be added to the data dictionary to help clarify how the variables are interpreted for inter-facility transfers may also be helpful. Volunteers so far include Rural Metro, Southwest, PMT and Lifeline. Pre-Hospital coordinators will also be invited. A suggestion was made of contacting Guardian Medical. Any other inter-facility agencies interested in participating?
- F) Planning for NEMSIS 2 compliant AZ-PIERS data dictionary update: Updated AZ-PIERS NEMSIS 2 compliant data dictionary will be updated and available prior to Jan. 1st, 2014. Updates will include any changes in data elements or values. Volunteers will be requested for this process, which should be fairly quick.
- G) New feature
 - 1) Incident List: Run History will be turned off soon. Incident list was built with the idea that it would eventually replace Run History. As the system grows and more records are added, Run History searches will take longer and longer. Incident List was constructed differently to address this. If you have not tried Incident List – please check it out. If you have questions or concerns about performing certain functions or searches that you have been able to do in Run History, please send me those concerns ASAP so that I can find out either how to perform that function in Incident List or send the functionality issue onto ImageTrend so that they can work on adding that requirement to the Incident List module while we still have a window to add development.
- H) Planning for NEMSIS 3.0 compliant AZ-PIERS dataset
 - 1) Suggestions from EMSRUG on how to tackle it – After discussion by the group, it was decided the best way to approach this process is to have a full day meeting, once a week for three weeks. The members that would like to participate in this process must commit to all three sessions. A suggestion was made that perhaps a different representative from the same agency would be able to attend, but that would require that new person to be updated on all the prior discussions by the initial attendee prior to the next meeting day. So as to allow enough time to schedule these time-intensive meetings, January 2014 was chosen as a target month for the meetings. An invitation for best dates will be sent in August.
 - 2) Suggestions from EMSRUG on who is interested in participating in the process: We would like representation by EMS, Fire, Transporters and non-transporters, air transporters, ground transporters and Pre-Hospital Coordinators, and interested data parties. Some discussion was had over whether or not to include vendors at the meeting, but it was decided to bring in vendors after the initial discussions or via the agency representatives.
 - 3) Timeline for Data Dictionary: Completion by end of January 2014 is our target date. Implementation is targeted for July 1st, 2014, with NEMSIS 2.0 data still being accepted until December 2014. All data submitted to AZ-PIERS should be based on the AZ-PIERS NEMSIS 3 compliant data dictionary by January 1, 2015.

- 4) Requests for additional helpful documents related to 3.0: none were requested, but Anne Vossbrink will review what other States are making available to assist agencies.
- I) Patient Outcome data – an update on vendor progress. Patient Outcome data (Hospital Data) has been a hot topic for EMS & Fire agencies. ImageTrend is developing a portal that will allow select outcome data variables to be inputted by the hospital and make it back to the responding agency. The system is expected to be available for any submitting agency, whether the agency uses ImageTrend directly or not. The question of what patient hospital/outcome variables are needed by the agency is still open to discussion. ImageTrend has requested that we get feedback from our users as to what variables they consider most important. I have not heard back as to whether these would be NEMSIS 2 variables, NEMSIS 3 variables, or if they can be custom. This leaves the question open; please email me back at Anne.Vossbrink@azdhs.gov with any suggestions with what outcome variables we would want to see – this is our chance to voice our priorities to the developers. Please email me back as soon as possible – sooner the better so that I can get a conversation going with ImageTrend development.
- J) Quarterly Reports: 3rd set will focus on STEMI. Expect to see this report approximately September 2013. Will include same date range of data as the Quarter 2 trauma report (June 1, 2012 to Dec. 31, 2012).
- K) New Performance Improvement tools: The [Trauma EMS Performance Improvement](#) (TEPI) committee has completed four PI tools that you can use in your agency for [Trauma](#), [Stroke](#), [STEMI](#), and [Cardiac Arrest](#). These reports will become integrated into AZ-PIERS for agencies to track. Future quarterly reports will be sent out to participating agencies on these four diseases/illnesses.
- L) Follow - up from April 2013 meeting – no new details. See April 2013 minutes for responses to most questions generated at that meeting.
- M) Announcements: Arizona is now a NEMSIS submitting state. Thank you to everyone for all your hard work in getting AZ-PIERS to this milestone.
- N) Questions/Requests: None stated.
- O) Topics of Future Discussion as proposed by group: None stated
- P) Our next regular EMSRUG meeting is scheduled for Monday, October 28th, 2013
- Q) Open floor



**AZ PIERS
Registry Users Group
(EMSRUG)**



**Meeting Minutes
Monday October 28, 2013 - 9:30 a.m. – 11:30 a.m.
Arizona Dept. of Health Services
150 North 18th Avenue Phoenix AZ 85007
5th Floor – 540A Conference Room
AZ PIERS Contacts:
Anne Vossbrink 602-364-3164 or Anne.Vossbrink@azdhs.gov
Rogelio Martinez 602-542-2246 or Rogelio.Martinez@azdhs.gov**

- A) Welcome
- B) Data Quality Reports
 - 1) Addressing Nulls & Blanks
 - a) Each agency will be receiving a report highlighting various variables and the blanks & nulls we have in AZ-PIERS. This is meant to be a tool to be used to review the data quality in the system. It is especially important as it may help agencies see where data quality can be improved. Validity rules do not always trigger for any blank and nulls may be a valid value and therefore a validation score may not be affected. However, for example, if a variable has most values as a null value, the validation score may be high, but no analysis can be done and quarterly reports and benchmarking tools may be without much value to the agency and the system as a whole.
- C) Validation
 - 1) New Draft Rules
 - a) Two new rules are in draft and out for review to EMSRUG. They have been tested and will be made 'live' for non-demo data on December 2nd, 2013. If EMSRUG members have any questions, comments, or feedback regarding the draft rules, please contact Anne Vossbrink (Anne.Vossbrink@azdhs.gov) prior to this date.
 - Please see attached documents for Validation Draft Rules & Rule Comparisons.
 - 2) Average Validity report by agency (de-identified)
 - a) An example of a de-identified report is attached. Each agency would get the same report, but with their agency identified only. A discussion in the EMSRUG group regarding the usefulness and appropriateness of putting ePCR frequencies next to each agencies score (for blinded and non) to help make a more useful report. The thought being that number of ePCRs can range from 1 to over 8000 and that influences the overall meaning of a validity score. However, a concern may be that an agency could be identified if ePCR numbers are included. EMSRUG decided that to divide the case counts into categories by quartiles and have those displayed would be useful and still protect confidentiality. The next validity report will use this method.
- D) Discuss & decided upon proposed annual updates to the NEMESIS 2.0 compliant AZ-PIERS data dictionary update (Jan. 2014 implementation).
 - 1) Revised AZ-PIERS NEMESIS 2 data dictionary is attached. Revisions have been made from the original draft of proposed changes sent out with the agenda. Pending a comment

period, the data dictionary will be set to be finalized on Friday, November 15th, 2013. This version of the data dictionary will go into effect on January 1st, 2014.

a) Changes:

- National Provider Identifier (D01_21) changed from required to required for billing agencies only (as indicated by Billing Status E04_10 = Yes).
- Complaint Reported by Dispatch (E03_01) changed from Optional to Required
- Social Security Number (E06_10) changed to accept Nulls as Blanks
- Age (E06_14) changed to accept Nulls as Blanks to match national standard
(a) Discussion: if patient contact has occurred, an approximate age should be possible, if the actual age and date of birth are not.
- Date of Birth (E06_16) changed to accept Nulls as Blanks to match national standard
- Primary Method of Payment (E07_01) changed from required to required for billing agencies only (and only if patient was billed).
(a) Discussion: some agencies bill in some cases and not others, depending on the rules. The primary method of payment requirement should only apply for patients for which the agency billed.
- ICD-9 Code for the Condition Code Number (E07_36) changed from required to optional as is not in NEMESIS 3.
(a) Discussion: EMSRUG asked if perhaps E07_36 is replaced with ICD-10 coding in NEMESIS 3. Answer: no, it is eliminated. The condition code number (E07_35) is still active in NEMESIS 3 but the need for the ICD-9 code requirement has been removed.
- Medical History Obtained From (E12_11) changed from required to optional as is optional in NEMESIS 3
- Position of Patient During Transport (E20_12) changed from required to optional

b) Additions:

- Billing Status (D04_10) added as required for all agencies. Value is a 'Yes' or 'No' and allows for data quality checks of D01_21 and E07_01.
(a) Discussion: How would this be used for agencies that sometimes bill and sometimes do not? Answer: This is not a field that varies per record but as an agency as a whole. If an agency ever bills (even if it is not all cases), the value would be 'Yes'
- Destination Facility Number (D04_14) added as required for all agencies. Matches Hospital Discharge Database and Trauma Registry Codes. Used to create list box for incident Facility Code (E08_08) and Destination Transferred to Code (E20_02).
(a) Discussion: How does this work with Long Term Care facilities? Is the list inclusive of them? Answer: Right now, the code list includes all licensed acute care facilities in Arizona, a few Out of State acute care by name, and then finally, generic options (ex: Nursing Home). A call to ImageTrend as to possible options indicated a couple solutions: The Destination Type should be entered (E20_17), then if the destination is an acute care, the name of the hospital should be chosen from the drop down menu (which uses this Destination Facility Number (D04_14) as a source list. If Nursing Home is chosen for example, or another generic general destination name is chosen, the address and zip code for the facility should be entered. This allows for mapping but also limits the destination list to a more reasonable size. Another option is including all possible destinations, such as Nursing Homes, Clinic,

etc. We could do this, and still leave in the generic options as there will always be places of destination not specifically listed. However, the destination list would be quite long. Use of a favorites list might make the long list easier to use. Either option is a possibility.

- Destination Type (D04_15) added as required for all agencies. Source list for E20_17
- Unit Cancelled Date/Time (E05_12) added as optional for all agencies. Allows data quality checks with E20_10
- Estimated Time of Arrest Prior to EMS Arrival (E11_08) added as required as is required in NEMESIS 3. Would trigger off of Cardiac Arrest indicated.

c) Rejected:

- State Issuing Driver's License (E06_18) was rejected as a required data element for Motor Vehicle Cause of Injury. Decision was made to have the optional remain as optional but that a strong note (perhaps a validation warning with 0 points deducted) to highlight the importance of this data element for complete data and patient outcome as increased chances of linking across databases.
- Driver's License Number (E06_19) was rejected as a required data element for Motor Vehicle Cause of Injury. Decision was made to have the optional remain as optional but that a strong note (perhaps a validation warning with 0 points deducted) to highlight the importance of this data element for complete data and patient outcome as increased chances of linking across databases.

E) Go Over the EMS 3rd Quarter quarterly Report: STEMI

1) Our Biostatistician, Vatsal Chikani, went over the statewide STEMI quarterly report for the group. Highlights:

- a) Purpose: give baseline level of comparison of agency Quarter 3 & 4 STEMI call to be used to support QA. Report covers STEMI patients demographics, and four performance measures: 1) Reduce time to ECG 2) increase hospital notification of suspected STEMIs 3) Have STEMIs treated at CRC 4) Increase aspirin and oxygen administration for STEMIs.
- Link to the Statewide Quarterly reports: <http://www.azdhs.gov/bems/data/quality-assurance-reports.php?pg=qa>
 - Link to the Performance Improvement Tools for the four targeted diseases (Major Trauma, STEMI, Cardiac Arrest, and Stroke): <http://www.azdhs.gov/bems/data/performance-improvement-tools.php?pg=pre-hospital-qa>
- b) Agency-specific reports and the statewide report are adversely affected by blanks and overuse of null values. Variables with a large percentage of nulls and blanks may mask issues or trends that would be apparent if the data quality was improved.

F) Announcements

- 1) Series of three consecutive meetings to discuss and create the AZ-PIERS NEMESIS 3 data dictionary have been set.
- Thursday, January 9th, 2014: 9am -12pm
 - Tuesday, January 14th, 2014: 9am – 12pm
 - Tuesday, January 21st, 2014: 9am – 12pm

G) Questions/Requests

- 1) A suggestion was made in regards to improving documentation of the date/time a receiving hospital is contacted (required for STEMI and Stroke patients). As “Receiving Hospital Contacted Date/Time” (IT5_71) is a custom element and some agencies are having a difficult time capturing it, an potential solution might be to have ImageTrend (and any third party vendors) add a value to the variable Procedures (E19_03) that would indicate the Receiving Hospital was Contacted, and document the date/time with this as Procedures is set up to allow documentation of date/time for an action. I have contacted ImageTrend and a new value has been added to Procedures (D04_04 – the source list for Procedures E19_03).

Code: 154127 Description: Contacted Receiving Hospital

- If you use ImageTrend via ADHS (not as a stand-alone ImageTrend service), this value should now be available to you.
- If you have a stand-alone ImageTrend service, or a 3rd party vendor PLEASE CONTACT THEM TO ADD THIS VALUE and ask them to map it over.
- If you have any ImageTrend (via ADHS or Stand-alone) you should already have the custom date/time variable “Receiving Hospital Contacted Date/Time” (IT5_71) and can still continue to use this variable.

H) Topics of Future Discussion as proposed by group:

I) Set EMSRUG meeting schedule for 2014

- 1) The dates for the four quarterly 2014 EMSRUG meetings have been set by EMSRUG:
 - Tuesday, January 21st, 2014: 9am – 12pm (this meeting is also the part 3 meeting for the AZ-PIERS NEMESIS 3 data dictionary and will be used to summarize any questions.
 - Monday, April 28th, 2014: 9:30am – 11:30am
 - Monday, July 28th, 2014: 9:30am – 11:30am
 - Monday, October 27th, 2014: 9:30am – 11:30am

J) Open floor

Rule ID	Description	Level	Value	Field	Error Message	Status	Date Entered	Date Updated
1147	Transported to Other EMS Agency but Agency ID blank or Null	State	-3	IT5.4 - Transferred To Agency ID	If Disposition is Transported and Destination Type is Other EMS Air or Other EMS Ground, then Transferred To Agency cannot be blank or Null	Active	08/06/2013	08/06/2013
1148	Tranfered Care but Agency ID blank or Null	State	-5	IT5.4 - Transferred To Agency ID	Dispostion is Treated, Tranfered Care but Agency Tranfered To is blank or Null	Active	08/06/2013	08/06/2013

Validity Rule Comparisons

RuleID		Field	Comparison	Value or Field	
1147	(	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (ALS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS (BLS)	
	Or	E20.10 - Incident/Patient Disposition	Equals	Treated, Transported by EMS)
	And	(	E20.17 - Type Of Destination	Equals	Other EMS Responder (Air)
	Or	E20.17 - Type Of Destination	Equals	Other EMS Responder (Ground))
	And	(	IT5.4 - Transferred To Agency ID	Equals	[blank]
	Or	IT5.4 - Transferred To Agency ID	In	Not Applicable, Not Recorded, Not Reporting)
1148		E20.10 - Incident/Patient Disposition	Equals	Treated, Transferred Care	
	And	(	IT5.4 - Transferred To Agency ID	Equals	[blank]
	Or	IT5.4 - Transferred To Agency ID	In	Not Applicable, Not Recorded, Not Reporting)

Average Validity Score by Agency - Validity Score High to Incident dates: August 2013

Service Name - Blinded	Average Validity Score
A1	100
B1	100
C1	100
D1	100
E1	100
F1	100
G1	100
H1	99
I1	99
J1	99
K1	99
L1	99
M1	98
N1	97
O1	97
P1	96
Q1	96
R1	96
S1	95
T1	95
U1	94
V1	93
W1	92
X1	92
Y1	92
Z1	91
AA1	91
BB1	91
CC1	89
DD1	88
EE1	88
FF1	86
GG1	86
HH1	85
II1	84
JJ1	83
KK1	83
LL1	83
MM1	83
NN1	83
OO1	82
PP1	74
QQ1	61
Grand Total	89

AZ-PIERS Data Dictionary Proposed Update Element Table
10-17-2013

Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
AGENCY GENERAL INFORMATION (D)	2	D01										
EMS AGENCY NUMBER	3	D01_01	Required	Single								
EMS AGENCY NAME	4	D01_02	Required	Single								
EMS AGENCY STATE	5	D01_03	Required	Multiple	Yes							
EMS AGENCY COUNTY	6	D01_04	Required	Multiple	Yes							
PRIMARY TYPE OF SERVICE	7	D01_05	Required	Single								
LEVEL OF SERVICE	8	D01_07	Required	Single								
ORGANIZATIONAL TYPE	9	D01_08	Required	Single								
ORGANIZATION STATUS	10	D01_09	Required	Single								
EMS AGENCY TIME ZONE	11	D01_19	Required	Single								
EMS AGENCY DAYLIGHT SAVINGS TIME USE	12	D01_20	Required	Single								
NATIONAL PROVIDER IDENTIFIER	13	D01_21	Required for billing agencies (based on D04_10 Billing Status)	Single		X	Change from required to only require for billing agencies		Yes	Billing Status (D04_10) is Yes		
AGENCY CONTACT INFORMATION	14	D02										
AGENCY CONTACT ZIP CODE	15	D02_07	Required	Single								
AGENCY CONFIGURATION INFORMATION	16	D04										
PROCEDURES	17	D04_04	Required	Multiple	Yes, via structure							
MEDICATIONS GIVEN	20	D04_06	Required	Multiple	Yes, via structure							
PROTOCOL	23	D04_08	Optional	Multiple	Yes, via structure							
BILLING STATUS	NEW	D04_10	Required	Single		X	New - required for all agencies	Allows data quality checks for D01_21 National Provider Identifier and E07_01 Primary Method of Payment				
HOSPITALS SERVED	25	D04_11	Required	Multiple	Yes, via structure							
HOSPITAL FACILITY NUMBER	26	D04_12	Required	Multiple	Yes, via structure							
OTHER DESTINATIONS	27	D04_13	Required	Multiple	Yes, via structure							
DESTINATION FACILITY NUMBER	NEW	D04_14	Required	Multiple	Yes, via structure	X	New - Required for all agencies. Matches Hospital Discharge Database and Trauma Registry Codes.	Used to create list box for Incident Facility Code (E08_08) and Destination Trasferred to Code (E20_02)				
DESTINATION TYPE	NEW	D04_15	Required	Multiple	Yes, via structure	X	New - source list for auto-filling E20_17 based on Destination Facility Number (D04_14) or Other Destination (D04_13)					
COMMON NULL VALUES	28	E00										

AZ-PIERS Data Dictionary Proposed Update Element Table
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Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
COMMON NULL VALUES	29	E00	Required	N/A								
RECORD INFORMATION	30	E01										
PATIENT CARE REPORT NUMBER	31	E01_01	Required	Single								
SOFTWARE CREATOR	32	E01_02	Required	Single								
SOFTWARE NAME	33	E01_03	Required	Single								
SOFTWARE VERSION	34	E01_04	Required	Single								
UNIT/AGENCY INFORMATION	33	E02										
EMS AGENCY NUMBER	36	E02_01	Required	Single								
INCIDENT NUMBER	37	E02_02	Required	Single								
TYPE OF SERVICE REQUESTED	38	E02_04	Required	Single								
PRIMARY ROLE OF THE UNIT	39	E02_05	Required	Single								
TYPE OF DISPATCH DELAY	40	E02_06	Optional	Multiple	Yes							
TYPE OF RESPONSE DELAY	41	E02_07	Required	Multiple	Yes							
TYPE OF SCENE DELAY	42	E02_08	Required	Multiple	Yes							
TYPE OF TRANSPORT DELAY	43	E02_09	Required	Multiple	Yes							
TYPE OF TURN-AROUND DELAY	44	E02_10	Required	Multiple	Yes							
EMS UNIT/VEHICLE NUMBER	45	E02_11	Required	Single								
EMS UNIT CALL SIGN (RADIO NUMBER)	46	E02_12	Required	Single								
RESPONSE MODE TO SCENE	47	E02_20	Required	Single								
UNIT/CALL INFORMATION	48	E03										
COMPLAINT REPORTED BY DISPATCH	49	E03_01	Required	Single		X	Changed from Optional to Required.	All calls with potential patient contact should have initial complaint reported to responding unit.				
UNIT/PERSONNEL INFORMATION	50	E04										
CREW MEMBER ROLE	51	E04_02	Optional	Multiple	Yes, via structure							
CREW MEMBER LEVEL	52	E04_03	Required	Multiple	Yes, via structure							
TIMES	53	E05										
INCIDENT OR ONSET DATE/TIME	54	E05_01	Required	Single								
PSAP CALL DATE/TIME	55	E05_02	Required	Single								
DISPATCH NOTIFIED DATE/TIME	56	E05_03	Required	Single								
UNIT NOTIFIED BY DISPATCH DATE/TIME	57	E05_04	Required	Single								
UNIT EN ROUTE DATE/TIME	58	E05_05	Required	Single								
UNIT ARRIVED ON SCENE DATE/TIME	59	E05_06	Required	Single								
ARRIVED AT PATIENT DATE/TIME	60	E05_07	Required	Single								
TRANSFER OF PATIENT CARE DATE/TIME	61	E05_08	Required	Single								
UNIT LEFT SCENE DATE/TIME	62	E05_09	Required	Single								
Receiving Hospital Contacted Date/Time (for STEMI or STROKE)	63	IT5_71	Required	Single					Yes	Stroke or STEMI	active	
PATIENT ARRIVED AT DESTINATION DATE/TIME	64	E05_10	Required	Single					Yes	E20_10 Transported EMS		
Patient Released to Destination Staff Date/Time	65	IT5_26	Required	Single					Yes	E20_10 Transported EMS	active	Yes: 375
UNIT BACK IN SERVICE DATE/TIME	66	E05_11	Required	Single								

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Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
UNIT CANCELLED DATE/TIME	NEW	E05_12	Optional	Single		X	New - Optional	Allows data quality checks with Patient Destination Disposition (E20_10)				
PATIENT	67	E06										
LAST NAME	68	E06_01	Required	Single								
FIRST NAME	69	E06_02	Required	Single								
PATIENT'S HOME ADDRESS	70	E06_04	Required	Single								
PATIENT'S HOME CITY	71	E06_05	Required	Single								
PATIENT'S HOME COUNTY	72	E06_06	Required	Single								
PATIENT'S HOME STATE	73	E06_07	Required	Single								
PATIENT'S HOME ZIP CODE	74	E06_08	Required	Single								
PATIENT'S HOME COUNTRY	75	E06_09	Required	Single								
SOCIAL SECURITY NUMBER	76	E06_10	Required	Single		X	Update Data Dictionary: Blanks acceptable as Nulls					
GENDER	77	E06_11	Required	Single								
RACE	78	E06_12	Required	Single								
ETHNICITY	79	E06_13	Required	Single								
AGE	80	E06_14	Required	Single		X	Update Data Dictionary: Blanks acceptable as Nulls to match national standard					
AGE UNITS	81	E06_15	Required	Single								
DATE OF BIRTH	82	E06_16	Required	Single		X	Update Data Dictionary: Blanks acceptable as Nulls to match national standard					
STATE ISSUING DRIVER'S LICENSE	NEW	E06_18	Optional (but strongly encouraged)									
DRIVER'S LICENSE NUMBER	NEW	E06_19	Optional (but strongly encouraged)									
BILLING	83	E07										
PRIMARY METHOD OF PAYMENT	84	E07_01	Optional (Required for billing agencies only)	Single		X	Change from Required to Optional. Required only for billing agencies.		Yes	Billing Status (D04_10) is Yes		
CONDITION CODE NUMBER	85	E07_35	Required	Multiple	Yes, via structure							

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Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
ICD-9 CODE FOR THE CONDITION CODE NUMBER	87	E07_36	Optional	Multiple	Yes, via structure	X	Changed from Required to Optional	Not in NEMSIS 3				
CONDITION CODE MODIFIER	88	E07_37	Required	Multiple	Yes							
SCENE	89	E08										
INCIDENT LOCATION TYPE	90	E08_07	Required	Single								
SCENE GPS LOCATION	92	E08_10	Required	Single								
INCIDENT ADDRESS	93	E08_11	Required	Single								
INCIDENT CITY	94	E08_12	Required	Single								
INCIDENT COUNTY	95	E08_13	Required	Single								
INCIDENT STATE	96	E08_14	Required	Single								
INCIDENT ZIP CODE	97	E08_15	Required	Single								
Received From Agency ID	98	ITS_2	Required	Single							active	Yes: 956
SITUATION	99	E09										
PRIOR AID	100	E09_01	Optional (Required for Cardiac)	Multiple	Yes				Yes	Cardiac related	Yes	
PRIOR AID PERFORMED BY	104	E09_02	Optional (Required for Cardiac)	Multiple	Yes				Yes	Cardiac related	Yes	
POSSIBLE INJURY	105	E09_04	Required	Single								
PRIMARY SYMPTOM	106	E09_13	Required	Single								
OTHER ASSOCIATED SYMPTOMS	108	E09_14	Required	Multiple	Yes							
PROVIDERS PRIMARY IMPRESSION	110	E09_15	Required	Single								
PROVIDER'S SECONDARY IMPRESSION	112	E09_16	Required	Single								
SITUATION/TRAUMA	114	E10										
CAUSE OF INJURY	115	E10_01	Required	Single					Yes	Possible Injury (E09_04)	Yes	
INTENT OF THE INJURY	118	E10_02	Required	Single					Yes	Possible Injury (E09_04)	Yes	
MECHANISM OF INJURY	119	E10_03	Required	Multiple	Yes				Yes	Possible Injury (E09_04)	Yes	
VEHICULAR INJURY INDICATORS	120	E10_04	Required	Multiple	Yes				Yes	Cause of Injury (E10_01) Motor Vehicle		
AREA OF THE VEHICLE IMPACTED BY THE COLLISION	121	E10_05	Required	Multiple	Yes				Yes	Cause of Injury (E10_01) Motor Vehicle		
SEAT ROW LOCATION OF PATIENT IN VEHICLE	122	E10_06	Required	Single					Yes	Cause of Injury (E10_01) Motor Vehicle		

AZ-PIERS Data Dictionary Proposed Update Element Table
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Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
POSITION OF PATIENT IN THE SEAT OF THE VEHICLE	123	E10_07	Required	Single					Yes	Cause of Injury (E10_01) Motor Vehicle		
USE OF OCCUPANT SAFETY EQUIPMENT	124	E10_08	Required	Multiple	Yes				Yes	Cause of Injury (E10_01) filled		
AIRBAG DEPLOYMENT	125	E10_09	Required	Multiple	Yes				Yes	Cause of Injury (E10_01) Motor Vehicle		
HEIGHT OF FALL	126	E10_10	Required	Single					Yes	Cause of Injury (E10_01) Fall		
Motor Vehicle Type	127	IT5_6	Optional	Single							active	Yes: 960
Trauma Triage Criteria	128	IT11_1	Optional	Multiple	Yes						active	Yes: 310
SITUATION/CPR	129	E11										
CARDIAC ARREST	130	E11_01	Required	Single								
CARDIAC ARREST ETIOLOGY	131	E11_02	Required	Single					Yes	Cardiac related Yes		
RESUSCITATION ATTEMPTED	132	E11_03	Required	Multiple	Yes				Yes	Cardiac related Yes		
ARREST WITNESSED BY	133	E11_04	Required	Single					Yes	Cardiac related Yes		
FIRST MONITORED RHYTHM OF THE PATIENT	134	E11_05	Required	Single					Yes	Cardiac related Yes		
ANY RETURN OF SPONTANEOUS CIRCULATION	135	E11_06	Required	Single					Yes	Cardiac related Yes		
ESTIMATED TIME OF ARREST PRIOR TO EMS ARRIVAL	NEW	E11_08	Required	Single		X	New	Required for NEMSIS 3	Yes	Cardiac related Yes		
DATE/TIME RESUSCITATION DISCONTINUED	136	E11_09	Required	Single					Yes	Reason CPR Discontinued (E11_10) filled		
REASON CPR DISCONTINUED	137	E11_10	Required	Single					Yes	Resuscitation Attempted (E11_3) filled with non-Null value		
Stemi Triage Criteria	138	IT12_1	Required	Single							active	Yes: 320
Stemi 12 Lead Used	139	IT12_2	Required	Single					Yes	Stemi Triage (IT12_1) Yes	active	Yes: 321
MEDICAL HISTORY	140	E12										
BARRIERS TO PATIENT CARE	141	E12_01	Required	Multiple	Yes							
MEDICATION ALLERGIES	142	E12_08	Required	Multiple	Yes							
ENVIRONMENTAL/FOOD ALLERGIES	143	E12_09	Required	Multiple	Yes							
MEDICAL/SURGICAL HISTORY	144	E12_10	Required	Multiple	Yes							

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Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
MEDICAL HISTORY OBTAINED FROM	145	E12_11	Optional	Single		X	Changed from Required to Optional. Optional in NEMSIS 3					
CURRENT MEDICATIONS	146	E12_14	Required	Multiple	Yes, via structure							
ALCOHOL/DRUG USE INDICATORS	147	E12_19	Required	Multiple	Yes							
NARRATIVE	148	E13										
RUN REPORT NARRATIVE	149	E13_01	Required	Single								
ASSESSMENT/VITAL SIGNS	150	E14										
DATE/TIME VITAL SIGNS TAKEN	151	E14_01	Required	Multiple	Yes, via structure							
OBTAINED PRIOR TO THIS UNITS EMS CARE	152	E14_02	Required	Multiple	Yes, via structure							
CARDIAC RHYTHM	153	E14_03	Required	Multiple	Yes, via structure. Yes for each E14_01 Date/Time							
SBP (SYSTOLIC BLOOD PRESSURE)	154	E14_04	Required	Multiple	Yes, via structure							
DBP (DIASTOLIC BLOOD PRESSURE)	155	E14_05	Required	Multiple	Yes, via structure							
PULSE RATE	156	E14_07	Required	Multiple	Yes, via structure							
PULSE OXIMETRY	157	E14_09	Required	Multiple	Yes, via structure							
RESPIRATORY RATE	158	E14_11	Required	Multiple	Yes, via structure							
RESPIRATORY EFFORT	159	E14_12	Required	Multiple	Yes, via structure							
End-tidal or Other CO2 Level	160	E14_13	Required	Multiple	Yes, via structure							
BLOOD GLUCOSE LEVEL	161	E14_14	Required	Multiple	Yes, via structure							
GLASGOW COMA SCORE-EYE	162	E14_15	Required	Multiple	Yes, via structure							
GLASGOW COMA SCORE-VERBAL	163	E14_16	Required	Multiple	Yes, via structure							
GLASGOW COMA SCORE-MOTOR	164	E14_17	Required	Multiple	Yes, via structure							
GLASGOW COMA SCORE-QUALIFIER	165	E14_18	Required	Multiple	Yes, via structure							
TOTAL GLASGOW COMA SCORE	166	E14_19	Required	Multiple	Yes, via structure							
TEMPERATURE	167	E14_20	Required	Multiple	Yes, via structure							
LEVEL OF RESPONSIVENESS	168	E14_22	Required	Multiple	Yes, via structure							
PAIN SCALE	169	E14_23	Required	Multiple	Yes, via structure							
STROKE SCALE	170	E14_24	Required	Multiple	Yes, via structure							
Stroke Scale Speech	171	IT13_11	Required	Single					Yes	Stroke	active	
Stroke Scale Facial Droop	172	IT13_12	Required	Single					Yes	Stroke	active	
Stroke Scale Arm Drift	173	IT13_13	Required	Single					Yes	Stroke	active	
APGAR	174	E14_26	Required	Multiple	Yes, via structure				Yes	Infant		
REVISED TRAUMA SCORE	175	E14_27	Optional	Multiple	Yes, via structure							
ASSESSMENT/INJURY	176	E15										
NHTSA INJURY MATRIX EXTERNAL/SKIN	177	E15_01	Required	Multiple	Yes							
NHTSA INJURY MATRIX HEAD	178	E15_02	Required	Multiple	Yes							
NHTSA INJURY MATRIX FACE	179	E15_03	Required	Multiple	Yes							
NHTSA INJURY MATRIX NECK	180	E15_04	Required	Multiple	Yes							
NHTSA INJURY MATRIX THORAX	181	E15_05	Required	Multiple	Yes							
NHTSA INJURY MATRIX ABDOMEN	182	E15_06	Required	Multiple	Yes							
NHTSA INJURY MATRIX SPINE	183	E15_07	Required	Multiple	Yes							
NHTSA INJURY MATRIX UPPER EXTREMITIES	184	E15_08	Required	Multiple	Yes							
NHTSA INJURY MATRIX PELVIS	185	E15_09	Required	Multiple	Yes							
NHTSA INJURY MATRIX LOWER EXTREMITIES	186	E15_10	Required	Multiple	Yes							
NHTSA INJURY MATRIX UNSPECIFIED	187	E15_11	Required	Multiple	Yes							
ASSESSMENT/EXAM	188	E16										

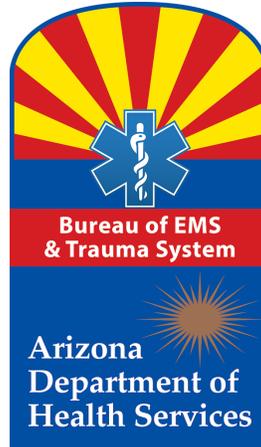
AZ-PIERS Data Dictionary Proposed Update Element Table
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Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
ESTIMATED BODY WEIGHT	189	E16_01	Required	Single								
DATE/TIME OF ASSESSMENT	190	E16_03	Optional	Multiple	Yes, via structure							
SKIN ASSESSMENT	191	E16_04	Optional	Multiple	Yes, via structure							
HEAD/FACE ASSESSMENT	192	E16_05	Optional	Multiple	Yes, via structure							
NECK ASSESSMENT	193	E16_06	Optional	Multiple	Yes, via structure							
CHEST/LUNGS ASSESSMENT	194	E16_07	Optional	Multiple	Yes, via structure							
HEART ASSESSMENT	195	E16_08	Optional	Multiple	Yes, via structure							
ABDOMEN LEFT UPPER ASSESSMENT	196	E16_09	Optional	Multiple	Yes, via structure							
ABDOMEN LEFT LOWER ASSESSMENT	197	E16_10	Optional	Multiple	Yes, via structure							
ABDOMEN RIGHT UPPER ASSESSMENT	198	E16_11	Optional	Multiple	Yes, via structure							
ABDOMEN RIGHT LOWER ASSESSMENT	199	E16_12	Optional	Multiple	Yes, via structure							
GU ASSESSMENT	200	E16_13	Optional	Multiple	Yes, via structure							
BACK CERVICAL ASSESSMENT	201	E16_14	Optional	Multiple	Yes, via structure							
BACK THORACIC ASSESSMENT	202	E16_15	Optional	Multiple	Yes, via structure							
BACK LUMBAR/SACRAL ASSESSMENT	203	E16_16	Optional	Multiple	Yes, via structure							
EXTREMITIES-RIGHT UPPER ASSESSMENT	204	E16_17	Optional	Multiple	Yes, via structure							
EXTREMITIES-RIGHT LOWER ASSESSMENT	205	E16_18	Optional	Multiple	Yes, via structure							
EXTREMITIES-LEFT UPPER ASSESSMENT	206	E16_19	Optional	Multiple	Yes, via structure							
EXTREMITIES-LEFT LOWER ASSESSMENT	207	E16_20	Optional	Multiple	Yes, via structure							
EYES-LEFT ASSESSMENT	208	E16_21	Optional	Multiple	Yes, via structure							
EYES-RIGHT ASSESSMENT	209	E16_22	Optional	Multiple	Yes, via structure							
MENTAL STATUS ASSESSMENT	210	E16_23	Required	Multiple	Yes, via structure							
NEUROLOGICAL ASSESSMENT	211	E16_24	Required	Multiple	Yes, via structure							
INTERVENTION	212	E17										
PROTOCOLS USED	213	E17_01	Optional	Multiple	Yes							
INTERVENTION/MEDICATION	214	E18										
DATE/TIME MEDICATION ADMINISTERED	215	E18_01	Required	Multiple	Yes, via structure							
MEDICATION ADMINISTERED PRIOR TO THIS UNITS EMS CARE	216	E18_02	Required	Multiple	Yes, via structure							
MEDICATION GIVEN	217	E18_03	Required	Multiple	Yes, via structure							
MEDICATION ADMINISTERED ROUTE	220	E18_04	Required	Multiple	Yes, via structure							
MEDICATION DOSAGE	221	E18_05	Required	Multiple	Yes, via structure							
MEDICATION DOSAGE UNITS	222	E18_06	Required	Multiple	Yes, via structure							
RESPONSE TO MEDICATION	223	E18_07	Required	Multiple	Yes, via structure							
INTERVENTION/PROCEDURE	224	E19										
DATE/TIME PROCEDURE PERFORMED SUCCESSFULLY	225	E19_01	Required	Multiple	Yes, via structure							
PROCEDURE PERFORMED PRIOR TO THIS UNITS EMS CARE	226	E19_02	Required	Multiple	Yes, via structure							
PROCEDURE	227	E19_03	Required	Multiple	Yes, via structure							
NUMBER OF PROCEDURE ATTEMPTS	231	E19_05	Required	Multiple	Yes, via structure							
PROCEDURE SUCCESSFUL	232	E19_06	Required	Multiple	Yes, via structure							
RESPONSE TO PROCEDURE	233	E19_08	Required	Multiple	Yes, via structure							
TUBE CONFIRMATION	234	E19_13	Required	Multiple	Yes							
DESTINATION CONFIRMATION OF TUBE PLACEMENT	235	E19_14	Required	Multiple	Yes							
DISPOSITION	236	E20										
Transferred to Agency ID	237	ITS_4	Required	Single							active	Yes: 958
DESTINATION/TRANSFERRED TO, NAME	238	E20_01	Required	Single								
DESTINATION/TRANSFERRED TO, CODE	239	E20_02	Required	Single								
DESTINATION STREET ADDRESS	240	E20_03	Required	Single								
DESTINATION CITY	241	E20_04	Required	Single								
DESTINATION STATE	242	E20_05	Required	Single								
DESTINATION COUNTY	243	E20_06	Required	Single								
DESTINATION ZIP CODE	244	E20_07	Required	Single								

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Data Element Name	Page	Data Element Code	Required	Single vs. Multiple Entry	Multiple Configuration	Change	Notes	Reasons	Required Only with Trigger	Trigger	Active vs. Inactive	Nise compatible
DESTINATION GPS LOCATION	245	E20_08	Required	Single								
INCIDENT/PATIENT DISPOSITION	246	E20_10	Required	Single								
POSITION OF PATIENT DURING TRANSPORT	247	E20_12	Optional	Single		X	Changed from Required to Optional					
TRANSPORT MODE FROM SCENE	248	E20_14	Required	Single								
REASON FOR CHOOSING DESTINATION	249	E20_16	Required	Single								
TYPE OF DESTINATION	250	E20_17	Required	Single								
MEDICAL DEVICE DATA	251	E21										
EVENT DATE/TIME	252	E21_01	Optional	Multiple	Yes, via structure							
MEDICAL DEVICE EVENT NAME	253	E21_02	Optional	Multiple	Yes, via structure							
WAVEFORM GRAPHIC TYPE	254	E21_03	Optional	Multiple	Yes, as associated with E21_01 Date/Time							
WAVEFORM GRAPHIC	255	E21_04	Optional	Multiple	Yes, as associated with E21_01 Date/Time							
AED, PACING, OR CO2 MODE	256	E21_05	Optional	Multiple	Yes, via structure							
ECG LEAD	257	E21_06	Optional	Multiple	Yes, via structure							
ECG INTERPRETATION	258	E21_07	Optional	Multiple	Yes, via structure							
TYPE OF SHOCK	259	E21_08	Optional	Multiple	Yes, via structure							
SHOCK OR PACING ENERGY	260	E21_09	Optional	Multiple	Yes, via structure							
TOTAL NUMBER OF SHOCKS DELIVERED	261	E21_10	Optional	Multiple	Yes, via structure							
PACING RATE	262	E21_11	Optional	Multiple	Yes, via structure							
DEVICE HEART RATE	263	E21_12	Optional	Multiple	Yes, via structure							
DEVICE PULSE RATE	264	E21_13	Optional	Multiple	Yes, via structure							
DEVICE SYSTOLIC BLOOD PRESSURE	265	E21_14	Optional	Multiple	Yes, via structure							
DEVICE DIASTOLIC BLOOD PRESSURE	266	E21_15	Optional	Multiple	Yes, via structure							
DEVICE RESPIRATORY RATE	267	E21_16	Optional	Multiple	Yes, via structure							
DEVICE PULSE OXIMETRY	268	E21_17	Optional	Multiple	Yes, via structure							
DEVICE CO2 OR ETCO2	269	E21_18	Optional	Multiple	Yes, via structure							
DEVICE CO2, ETCO2, OR INVASIVE PRESSURE MONITOR UNITS	270	E21_19	Optional	Multiple	Yes, via structure							
MISCELLANEOUS	271	E23										
RESEARCH SURVEY FIELD	272	E23_09	Required	Multiple	Yes, via structure							
RESEARCH SURVEY FIELD TITLE	273	E23_11	Required	Multiple	Yes, via structure							

**ARIZONA DEPARTMENT OF HEALTH SERVICES
BUREAU OF EMERGENCY MEDICAL SERVICES AND TRAUMA SYSTEM**



**2013 EMS
STEMI QUARTERLY REPORT
AZ-PIERS Q3 & Q4 2012**

Prepared by:

Bureau of EMS and Trauma System

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Purpose:

The purpose of this report is to provide agencies with a baseline level of comparison on their performance during Q3 and Q4 2012 on STEMI calls. This report can be used to support Quality Assurance initiatives in their communities.

This report analyzes four STEMI related performance measures:

1. Reduce the length of time between arriving on scene and performing a 12 lead ECG reading;
2. Increase the number of hospital pre-notification for patients IF THEY HAVE a suspicious 12 lead ECG;
3. Increase the number of patients transported to cardiac receiving centers IF THEY HAVE a suspicious 12 lead ECG;
4. Increase the number of patients receiving pre-hospital aspirin and oxygen therapy IF THEY HAVE a suspicious 12 lead ECG;.

Methodology:

The [Arizona Prehospital Information & EMS Registry System \(AZ-PIERS\)](#) was analyzed to find records where a 12 lead ECG was performed and the results indicated a possible Myocardial Infarction. The records in this analysis had:

1. A unit notified date range of July 1st, 2012 to December 31st, 2012; AND
2. An incident/patient disposition = Dead on scene, OR treated and transferred, OR treated and transported; AND
3. A procedure field of having a 12 lead ECG performed.

Limitations:

It is an extremely important to note the difference between suspected STEMIs in the pre-hospital environment and a confirmed STEMI at the hospital. This report describes the response of the an EMS agency to a suspected STEMI and their performance benchmarked against the state aggregate.

Additionally, state benchmarks are restricted to only include those agencies participating in the registry.

If your agency is not currently participating but would like to sign up please visit us on our [AZ-PIERS homepage](#).

AZ PIERS STEMI Quarterly Report

Date Range: July 1, 2012 to Dec 31, 2012

There was a total of 2,588 patients with matching the STEMI criteria. The [median](#) age of STEMI patients was 71 years with an equal distribution of males and females. Less than 1% of patients died on scene, 28% were treated and transferred for care, and 72% were treated and transported to a hospital.

Table 1: Demographics for STEMI patients

Event characteristics	N	%
Cohort (suspected 12-Lead ECG patients)	2,588	100.00%
Gender		
Female	1,286	49.69%
Male	1,302	50.30%
Patient Discharge Status		
*Missing	5	0.19%
Dead at Scene	3	0.11%
Treated and transferred	719	27.78%
Treated and transported	1,861	71.90%

Table 2: Distribution of ages for STEMI patients

	25th percentile	Median	75th percentile
Age (years)	56	71	81

Performance Measure 1: Reduce time to ECG

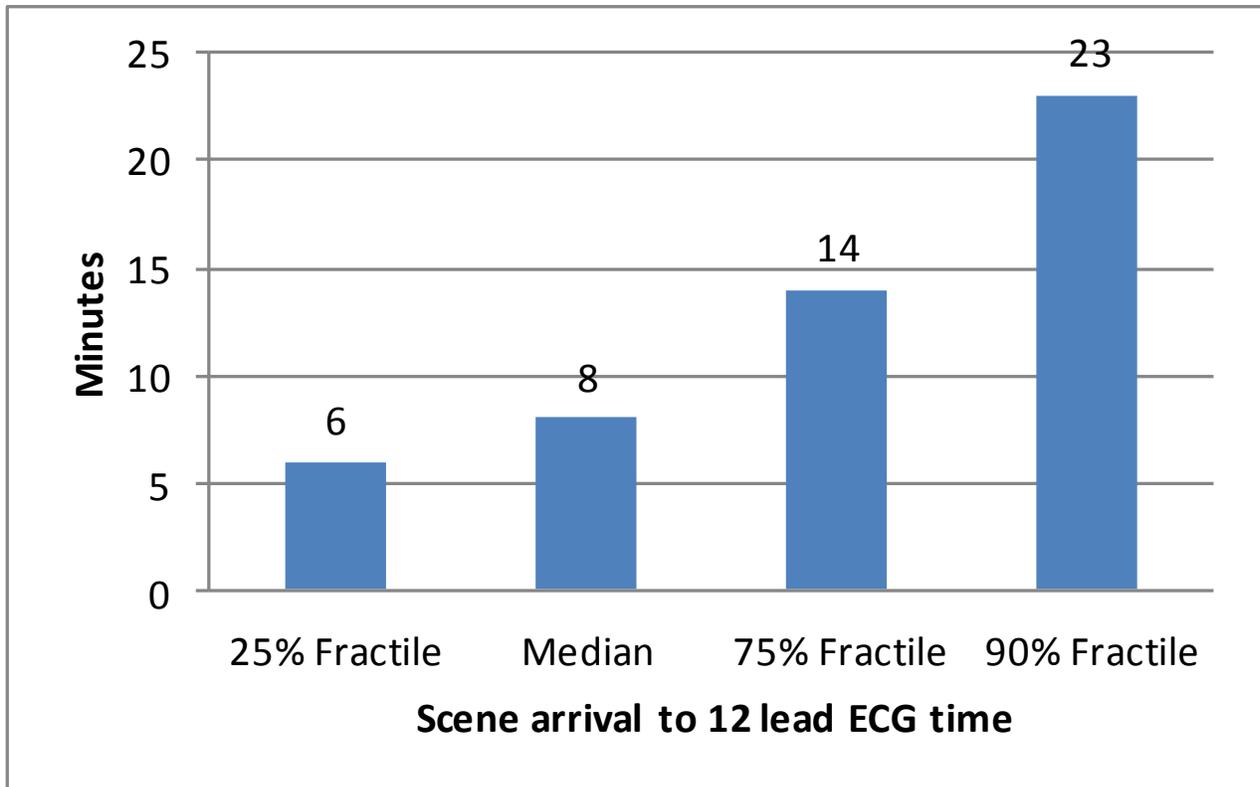


Table 3: Time distribution for suspected STEMI patients who received ECGs

	Not Documented	Count	Min	Max	25% Fractile	Median	75% Fractile	90% Fractile
Arrival to 12-lead ECG time (minutes)	28	2,560	0	1,447	6	8.0	14	23

The median time that it took a unit arriving on scene until the time they performed a 12 lead ECG was 8 minutes. In 90% of the cohort, a 12 lead ECG was performed with 23 minutes after arriving on scene. The 12 lead ECG time was missing in 28 records.

Performance Measure 2: Increase hospital notification of suspected STEMIs

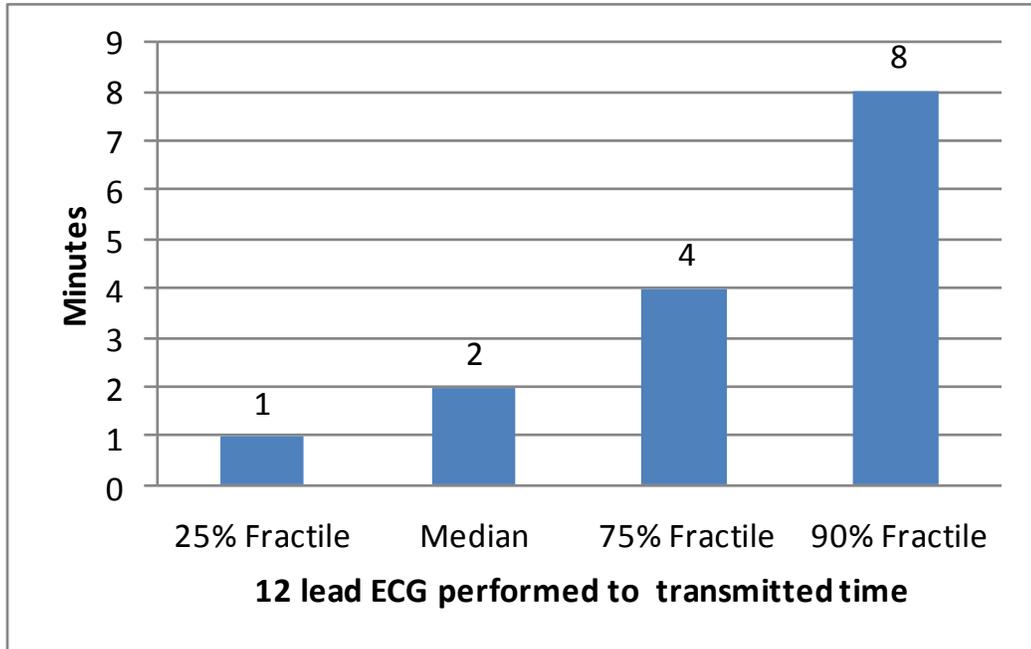


Table 4: Transmission time for ECGs to hospitals

	Not Documented	Count	Min	Max	25% Fractile	Median	75% Fractile	90% Fractile
12-lead to transmission (minutes)	2,528	60	0	13	1	2.0	4	8

A majority of 12 lead ECG transmissions times were missing as this is an optional data element. However, there were sixty records in which this element was available. The median time from the ECG being performed to the time it was transmitted to hospital was 2 minutes.

There should be a focus from agencies to collect and report this element as this greatly impacts patient care.

Performance Measure 3: Have STEMI treated at CRC

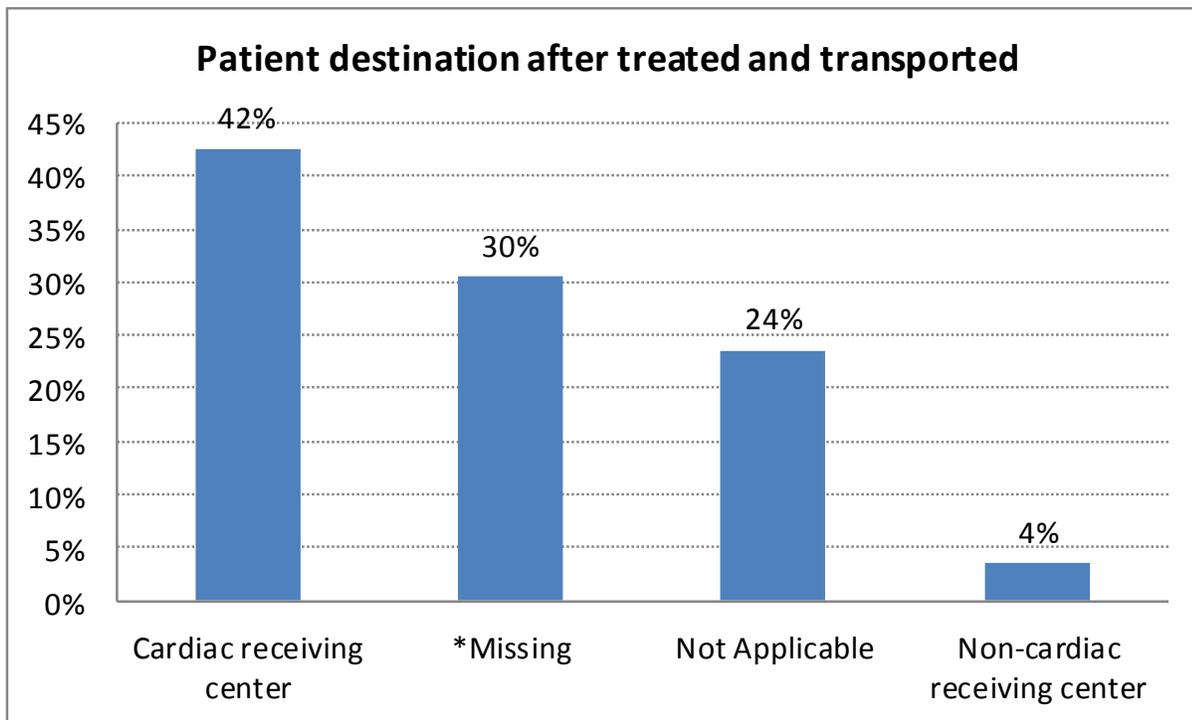


Table 5: Patient transport locations for suspected STEMI patients

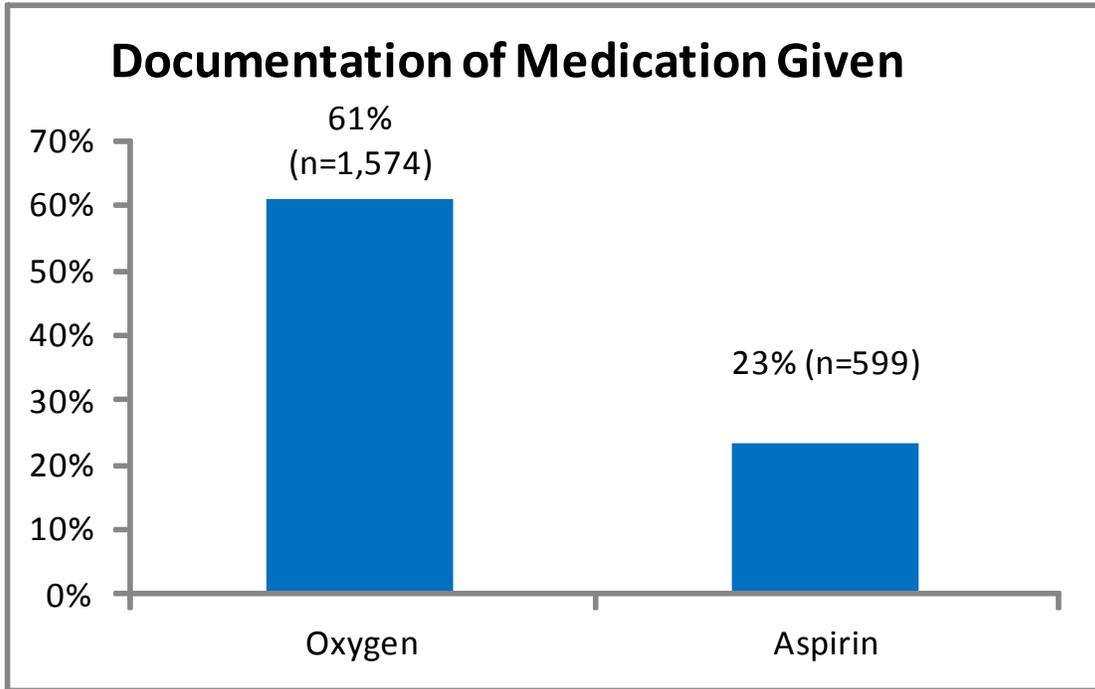
	N	%
Total treated and transported	1,866	100.00%
Patient transported to location		
Cardiac receiving center	791	42.39%
*Missing	568	30.43%
Not Applicable	441	23.63%
Non-cardiac receiving center	66	3.53%

Patients that had 'Treated and Transported' were further analyzed.

Of these patient, 42% were transported to a Cardiac Receiving Centers (CRC). A large portion of records (1,009) had no destination hospital information available.

There should be a focus from agencies to collect and report this element as this greatly impacts patient care.

Performance Measure 4: Increase aspirin and oxygen administration for STEMI



Sixty-one percent of the STEMI reported administration of oxygen, while 23% reported administering aspirin.

Table 5: Suspected STEMI patients receiving O₂ and aspirin

	N	%
Did STEMI patient receive oxygen?		
No	1,014	39.18%
Yes	1,574	60.81%
Did STEMI patient receive aspirin?		
No	1,989	76.85%
Yes	599	23.14%