Department of Veterans Affairs

Pharmacy Reengineering (PRE)

Medication Order Check Healthcare Application (MOCHA) 2 Enhancement 1b

MOCHA 2.1b

PSO\*7.0\*402, PSJ\*5.0\*256, PSS\*1\*178, PSO\*7.0\*500

Test Evaluation Summary



September 2017

Version 1.3

Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the Communications Plan has been base lined.

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 9/14/2017 | 1.3 | Added section 3.1, open defect summary | H.E. Pearson |
| 8/31/2017 | 1.2 | Updates per final sprint 4, sections 1, 1.2, 3, 4, 4.1, 4.2, 4.3, 5.2 | H.E. Pearson |
| 06/20/2017 | 1.1 | Updates per testing | H.E. Pearson |
| 03/29/2017 | 1.0 | Create Initial Version | H.E. Pearson |

Table of Contents

[1. Test Evaluation Introduction 1](#_Toc493144475)

[1.1. Test Evaluation Purpose 1](#_Toc493144476)

[1.2. Test Evaluation Scope 2](#_Toc493144477)

[2. Test Execution Log 2](#_Toc493144478)

[3. Test Defect Log 2](#_Toc493144479)

[3.1. Open Defect Summary 25](#_Toc493144480)

[4. Test Results Summary 30](#_Toc493144481)

[4.1. Defect Severity and Priority Levels 31](#_Toc493144482)

[4.2. Total Defects by Severity Level 32](#_Toc493144483)

[4.3. Breakdown of Test Results 33](#_Toc493144484)

[5. Test Coverage 36](#_Toc493144485)

[5.1. Risks Covered 36](#_Toc493144486)

[5.2. Section 508 Compliance Coverage 36](#_Toc493144487)

[6. Suggested Actions 37](#_Toc493144488)

[7. Defect Severity and Priority Definitions 37](#_Toc493144489)

[7.1. Defect Severity Level 37](#_Toc493144490)

[7.1.1. Severity Level 1 – Critical 37](#_Toc493144491)

[7.1.2. Severity Level 2 - High 37](#_Toc493144492)

[7.1.3. Severity Level 3 - Medium 38](#_Toc493144493)

[7.1.4. Severity Level 4 - Low 38](#_Toc493144494)

[7.2. Priority Classifications 38](#_Toc493144495)

[7.2.1. Priority 1 - Resolve Immediately 38](#_Toc493144496)

[7.2.2. Priority 2 - Give High Attention 38](#_Toc493144497)

[7.2.3. Priority 3 - Normal Queue 39](#_Toc493144498)

[7.2.4. Priority 4 - Low Priority 39](#_Toc493144499)

[8. Optional Tables, Charts, and Graphs 39](#_Toc493144500)

[9. Test Case/Test Script Approval Signatures 40](#_Toc493144501)

# Test Evaluation Introduction

This Test Report is for patches PSO\*7.0\*402, PSJ\*5.0\*256, PSS\*1\*178, and PSO\*7.0\*500 which contains enhancements and fixes reported through testing Pharmacy Reengineering (PRE) Medication Order Check Healthcare Application (MOCHA) 2.1b. PSS\*1\*178 is a stand-alone patch that will be required to be installed prior to the MOCHA 2.1 buildsince this is part of the MOCHA2.1 patch group. PSS\*7\*500 was used to incorporate non-MOCHA changes to shared routines made by nationally released patch, PSO\*7.0\*486. Among the added set of functionalities included is

* Implement Dose Range Checking with a Max Daily Dose limit for simple medication orders entered through Outpatient Pharmacy, Inpatient Medications applications and CPRS.
* Display an error message when the Max Daily Dose Order Check cannot be performed in CPRS, Outpatient Pharmacy, and Inpatient Medications applications.
* Apply Daily Dose Check exclusion for schedule to medication orders entered through Outpatient Pharmacy, Inpatient Medications, and CPRS.
* Apply advisory note to Max Daily Dose warning and General Dosing Guidelines for medication administered through eye, ear, or nose.
* Create a customized frequency message.
* Add First Databank (FDB) data elements from Dosing Order Check call to VistA side of interface.
* Display one warning if Maximum Single Dose and Max Daily Dose Order Check warning texts are identical.
* Exclude expired Outpatient orders from Drug Interaction Order Checks for CPRS.
* Modifications to the ‘Available Dosage(s)’ list when a screen break occurs during order entry and to the accompanying dialog during order entry through the Outpatient Pharmacy application.
* Modification to display the most recent Serum Creatinine value and date resulted if available, even if the creatinine clearance (CrCL) cannot be calculated on the pharmacy patient demographic header.
* Display body surface area (BSA) and CrCL information to the headers on all Outpatient pharmacy medication order detail screens and all Inpatient and Outpatient pharmacy patient information screen to the headers that are currently missing this information.
* Display one warning if Maximum Single Dose and Max Daily Dose Order Check warning texts are identical.

## Test Evaluation Purpose

The purpose of this Test Evaluation for the M2.1b release of the software is to:

* Present a summary analysis of the key test results and key measures for review and assessment by designated stakeholders
* Provide a general statement of the quality of the system under test
* Make recommendations for future testing efforts.

This Test Evaluation also supports the following objectives:

* Identify the items that should be targeted by the tests
* Identify the reasons for and ideas behind the test areas to be covered
* Outline the testing approach that will be used
* Identify the required resources and provide an estimate of the test efforts
* List the deliverable elements of the test project.

## Test Evaluation Scope

The scope of this Test Report is to describe, at a high level, the changes addressed by patches PSO\*7.0\*402 and PSJ\*5.0\*256 (M2.1b) and stand-alone patch PSS\*1\*178, the software that was tested, and the testing results. The PSO\*7.0\*500 patch was reviewed and a patch checklist was completed. It was tested indirectly through the testing of 2.1b to ensure there was no impact to 2.1b

# Test Execution Log

Test cases were executed for M2.1B requirements. Test cases and test results are stored in Rational Team Concert (RTC). The Requirement Traceability Matrix (RTM) may also be generated from RTC.

# Test Defect Log

The defect log below includes all RTC items of type, defect, created for the M2.1B project. These were tested as the fixes were delivered.

There were a total of 218 Defects logged for M2.1B. A defect is defined as a flaw in a component or system that can cause the component or system to fail to perform its required function, e.g. an incorrect statement or data definition. A defect, if encountered during execution, may cause a failure of the component or system.

Defects are categorized according to severity and priority levels: The Test Analyst assigns the severity, while the Product Customer assigns the priority for repair. All Defects found during testing were entered in Rational Team Concert (RTC). The table below displays the defects found and the associated Rational System Severity and Customer Priority.

| **Patch** | **RTC** | **Headline** | **Submitted By** | **Submit\_Date** | **Severity** | **Status** | **Planned for** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| M 2.1 Combined Build v13 | 581172 | CPRS Hard Error with Bad Frequency | Flegel, Chris | 8/29/2017 | 3 - Medium | Resolved | M 2.1b |
| 2.1b Sprint4 PSJ\*5\*256 v13 | 578982 | Lorazepam requires weight for Continuous Infusion route but not for Intravenous route. | Pearson, Holly | 8/24/2017 | 3 - Medium | New | M 2.1b Pre-IOC Dev Plan |
|  | 578157 | M 2.1b PSO\*7\*402 Outpatient Pharmacy Technical Manual review | Seburn, Cindy | 8/23/2017 | 4 - Low | Resolved | M 2.1 |
|  | 578150 | PSS\*1\*178 PDM User Manual review | Seburn, Cindy | 8/23/2017 | 4 - Low | Resolved | M 2.1 |
|  | 578123 | M 2.1b PSS Technical Manual review | Seburn, Cindy | 8/23/2017 | 4 - Low | Resolved | M 2.1 |
|  | 577621 | Vista Defect: Incorrect text in error message | Ruzbacki, Ronald | 8/22/2017 | 3 - Medium | In Progress | M 2.1b Pre-IOC Dev Plan |
| M 2.1 COMBINED BUILD 1.0 | 576412 | Dose unit of MILLILITERS in Max. Single dose warning message is not being displayed in UPPER CASE. | Sharma, Arti | 8/18/2017 | 4 - Low | Resolved | M 2.1 Backlog |
| M 2.1 COMBINED BUILD 1.0 | 574490 | Formatting issue in IP and OP for order level error message. | Sharma, Arti | 8/16/2017 | 4 - Low | In Progress | M 2.1b Pre-IOC Dev Plan |
| M 2.1b COMBINED BUILD 1.0, PSJ\*5\*256 v13 | 572265 | IP 2.6.12 - Dose warning messages are incorrect in CPRS | Pearson, Holly | 8/10/2017 | 3 - Medium | Ready for Review | M 2.1b Pre-IOC Dev Plan |
| M 2.1 COMBINED BUILD 1.0 | 572196 | Max daily dose error message is being generated with the one time schedule and using bad route in CPRS for Inpatient and Outpatient. | Sharma, Arti | 8/10/2017 | 3 - Medium | Ready for Review | M 2.1b Pre-IOC Dev Plan |
| M 2.1b Sprint4 | 571425 | OP- Message "Now Renewing Rx # XXXX Drug: XXXXX" is scrolling of screen. | Sharma, Arti | 8/9/2017 | 4 - Low | In Progress | M 2.1b Pre-IOC Dev Plan |
| M 2.1 COMBINED BUILD 1.0 | 571110 | Different messages are being displayed in CPRS while Entering an order and Renewing the order using multiple errors(Invalid freq. schedule and bad dosage). | Sharma, Arti | 8/8/2017 | 3 - Medium | Ready for Review | M 2.1b Pre-IOC Dev Plan |
|  | 571075 | CK hidden action - issues with allergy check | Vo, Mai L ( Bham OIFO) | 8/8/2017 | 4 - Low | New | M\_Master\_Backlog |
| M 2.1 COMBINED BUILD 1.0 | 570308 | Max daily dose error message is being generated with the one time schedule in CPRS for Inpatient and Outpatient. | Sharma, Arti | 8/7/2017 | 3 - Medium | Ready for Review | M 2.1b Pre-IOC Dev Plan |
|  | 569786 | Inpatient formatting issues for Dosing messages | Bertuzis, Lina | 8/7/2017 | 3 - Medium | In Progress | M 2.1b Pre-IOC Dev Plan |
| M 2.1 COMBINED BUILD 1.0 | 568259 | No line gap between the expected message and the next prompt. | Sharma, Arti | 8/4/2017 | 4 - Low | In Progress | M 2.1b Pre-IOC Dev Plan |
| M 2.1 COMBINED BUILD 1.0 | 568005 | While displaying order level error message “Performed” is being displayed instead of “done” in CPRS. | Sharma, Arti | 8/3/2017 | 4 - Low | New | M 2.1b Pre-IOC Dev Plan |
| M 2.1 COMBINED BUILD 1.0 | 567984 | Colon ‘:’ is being displayed after the drug name in few instances in CPRS and in VistA. | Sharma, Arti | 8/3/2017 | 4 - Low | New | M 2.1b Pre-IOC Dev Plan |
|  | 567345 | Vista Defect: Technician logging an Intervention | Ruzbacki, Ronald | 8/2/2017 | 3 - Medium | New | M 2.1b Pre-IOC Dev Plan |
|  | 567325 | 2nd update in PSS\*1\*178 patch v14 post init failed for APPLICATORFUL(S) entry in DOSE UNITS file | Bertuzis, Lina | 8/2/2017 | 3 - Medium | New | M 2.1b Pre-IOC Dev Plan |
|  | 566858 | Vista Defect: Invalid line of code discovered in Outpatient Duplicate Therapy Display Logic | Ruzbacki, Ronald | 8/1/2017 | 3 - Medium | In Progress | M 2.1b Pre-IOC Dev Plan |
| PSJ\*5\*256 v12 | 566634 | Speed Finish displays incorrect drug name | Vo, Mai L ( Bham OIFO) | 8/1/2017 | 2 - High | Ready for Review | M 2.1b Dev Sprint 4 |
|  | 564713 | GDI message displayed with MSD error (bsa required) when it should not through CPRS and BD IPM and OP. | Bertuzis, Lina | 7/27/2017 | 3 - Medium | In Progress | M 2.1b Pre-IOC Dev Plan |
| M 2.1B SPRINT 3 INTERIM BUILD 1 | 564664 | Frequency error reason displayed as separate OC in CPRS | Bertuzis, Lina | 7/27/2017 | 3 - Medium | Verified | M 2.1b Dev Sprint 4 |
|  | 564661 | Bad Route not Incorporated in Error Message OP and IPM | Bertuzis, Lina | 7/27/2017 | 3 - Medium | New | M 2.1b Pre-IOC Dev Plan |
|  | 564602 | Formatting Issues for Dosing message displays in Outpatient Pharmacy | Bertuzis, Lina | 7/27/2017 | 3 - Medium | In Progress | M 2.1b Pre-IOC Dev Plan |
|  | 564167 | Error Text Incorrect for Various Scenarios on CPRS side for OP and some for IP | Bertuzis, Lina | 7/27/2017 | 3 - Medium | New | M 2.1b Pre-IOC Dev Plan |
|  | 563893 | No custom frequency message displayed in OP with free text error. | Bertuzis, Lina | 7/26/2017 | 3 - Medium | Verified | M 2.1b Dev Sprint 4 |
|  | 563055 | Frequency Low value not rounded for custom frequency message display | Bertuzis, Lina | 7/25/2017 | 3 - Medium | New | M 2.1b Pre-IOC Dev Plan |
| PSS\*1.0\*178 V13 | 560802 | No Dose Route Description Returned - Do Not Show Custom Frequency Message | Bertuzis, Lina | 7/20/2017 | 3 - Medium | Verified | M 2.1b Dev Sprint 4 |
|  | 557371 | OP formatting issues for complex orders for Per Orifice Note functionality | Bertuzis, Lina | 7/14/2017 | 3 - Medium | In Progress | M 2.1b Pre-IOC Dev Plan |
|  | 557273 | Available Dosage List incorrect when editing Rx entered by non RPH for drug with no Dosages defined. | Bertuzis, Lina | 7/14/2017 | 3 - Medium | In Progress | M 2.1b Pre-IOC Dev Plan |
|  | 555852 | Vista Defect: Adjusted Dose Message not showing in Inpatient Meds when only a High Total Dose is displayed | Ruzbacki, Ronald | 7/12/2017 | 3 - Medium | Verified | M 2.1b Dev Sprint 4 |
|  | 552883 | Vista Defect: Duplicate Therapy scrolls off the screen | Ruzbacki, Ronald | 7/6/2017 | 3 - Medium | Verified | M 2.1b Dev Sprint 4 |
| PSS\*1.0\*178 V13 | 542133 | Rules when customized frequency message should display with customized frequency data. | Bertuzis, Lina | 6/21/2017 | 1 - Critical | Ready for Review | M 2.1b Dev Sprint 4 |
| PSS\*1.0\*178 V13 | 539754 | Vista Defect: Recommended Frequency not displaying in scenario when it should display | Ruzbacki, Ron | 6/16/17 | 2 - High | In Progress | M2.1 b IOC Sprint |
| Mocha 2.1b Hardening Sprint 3 | 539631 | CPRS - IP IV Additive - Order Check error message is displayed following Max Single Dose and Max DAILY Dose warning messages. | Balighian, Mehdi (SMS) | 6/16/17 | 4 - Low | Verified | M2.1 b IOC Sprint |
| SQA Hardening Sprint 3 | 539408 | CPRS is displaying MDD as an error and in backdoor MDD warning message is being displayed when FN the order for CEFTRIAXONE INJ,SOLN. | Sharma, Arti (SMS) | 6/15/17 | 4 - Low | Verified | M2.1 b IOC Sprint |
|  | 539407 | Calculations on CPRS side are not being calculated correctly for total dose with dose limit for an IV order. | Sharma, Arti (SMS) | 6/15/17 | 3 - Medium | Ready for Review | M2.1 b IOC Sprint |
| SQA Hardening Sprint 3 | 539374 | Issue while testing test case - 2.6.7.4\_2.6.7.4.3 IP Frequency Day of Week - CPRS Testing | Sharma, Kanika (SMS) | 6/15/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| SQA Hardening Sprint 3 | 539369 | Issue while testing test case - 2.6.7.4\_2.6.7.4.3 IP Frequency Day of Week - Backdoor Testing | Sharma, Kanika (SMS) | 6/15/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
|  | 539135 | Vista Defect - Formatting Issues in Outpatient Pharmacy | Ruzbacki, Ron | 6/15/17 | 2 - High | In Progress | M2.1 b IOC Sprint |  |
|  | 538588 | Modify Check to determine when Maximum daily dose check could not be done since frequency check fails | Ostrander, Robin | 6/14/17 | 3 - Medium | Resolved | M2.1 b IOC Sprint |
| PSS\*1.0\*178 V13 | 538062 | Customized frequency message displaying when it should not | Bertuzis, Lina | 6/13/17 | 3 - Medium | Ready for Review | M2.1 b IOC Sprint |
|  | 537976 | Vista Defect: Invalid General Dosing Range message | Ruzbacki, Ron | 6/13/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
|  | 537023 | Vista Defect - Adjusted Dose message changes | Ruzbacki, Ron | 6/12/17 | 2 - High | Verified | M2.1 b IOC Sprint |
| MOCHA2.1b Hardening Sprint | 536673 | IP Frequency Duration less than 24 hours | Sharma, Kanika (SMS) | 6/12/17 | 3 - Medium | In Progress | M2.1 b IOC Sprint |
| MOCHA2.1b Hardening Sprint Build | 536672 | 2.6.11\_0P\_MDD\_OC\_NOT\_DONE\_FREQ\_VISTA\_PBM | Sharma, Kanika (SMS) | 6/12/17 | 1 - Critical | Verified | M2.1 b IOC Sprint |
| MOCHA2.1b Hardening Sprint | 536671 | Dosing order check fail on continous IV premix not matched to NDF when infusion rate edited | Sharma, Kanika (SMS) | 6/12/17 | 1 - Critical | Verified | M2.1 b IOC Sprint |
| MOCHA2.1b Hardening Sprint | 536667 | Renew OPT GDI not returning from vendor (1 to many) | Sharma, Kanika (SMS) | 6/12/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA2.1b Combined Build Hardening Sprint 3 | 534989 | Expected results do not match actual - Issue Tracker 233 | Sharma, Kanika (SMS) | 6/8/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA2.1b Combined Build 1.0 Hardening Sprint 3 | 534782 | 2.6.1\_OP\_Max Daily Intro\_PBM V7-10 Top of Form and dosing info displayed on single screen | Sharma, Kanika (SMS) | 6/8/17 | 3 - Medium | In Progress | M2.1 b IOC Sprint |
| MOCHA 2.1 COMBINED BUILD 1.0 and PSS\*1\*178 v13 | 534624 | CPRS messages for dosing displays conflicting information (Issue Tracker 227) | Quinn, Stephen (SMS) | 6/7/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| M2.1B Sprint 3 | 534584 | Inconsistent/Unavailable GDI messages IT #217 | Pearson, Holly (SMS) | 6/7/17 | 3 - Medium | Ready for Review | M2.1 b IOC Sprint |
|  | 534425 | CrCL header duplicated in multiple displays (Issue Tracker 219) | Quinn, Stephen (SMS) | 6/7/17 | 3 - Medium | Resolved | M2.1 b IOC Sprint |
| MOCHA 2.1b Hardening Sprint | 534341 | PDM Dose Units File 2.6.23.2-2.6.23.4 Not implemented correctly | Pearson, Holly (SMS) | 6/7/17 | 3 - Medium | Resolved | M2.1 b IOC Sprint |
| MOCHA 2.1b Combined Build Hardening Sprint | 533223 | OP\_2.6.9\_not getting Mailman message for a prescription (Rx) label to inform the pharmacist of a critical drug interaction. | Sharma, Arti (SMS) | 6/5/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA 2.1 COMBINED BUILD 1.0 and PSS\*1\*178 v13 | 532804 | Spacing issue while testing when invalid or undefined frequency is used to enter an OP order in Backdoor. | Sharma, Kanika (SMS) | 6/2/17 | 3 - Medium | In Progress | M2.1 b IOC Sprint |
| MOCHA 2.1 COMBINED BUILD 1.0 and PSS\*1\*178 v13 | 532776 | Therapeutic Duplication message scrolled off the screen while Finishing OP order MINOXIDIL 10MG | Sharma, Kanika (SMS) | 6/2/17 | 2 - High | Verified | M2.1 b IOC Sprint |
| MOCHA 2.1b Combined Build Hardening Sprint | 532313 | CPRS is displaying Dosing checks when the drug is dependent on MDD check only for both IP and OP. Backdoor messages are as expected. | Sharma, Arti (SMS) | 6/1/17 | 4 - Low | Reopened | M2.1 b IOC Sprint |
| MOCHA 2.1b Combined Build Hardening Sprint | 532225 | Order of messages displayed in CPRS is not correct. | Sharma, Arti (SMS) | 6/1/17 | 4 - Low | Ready for Review | M2.1 b IOC Sprint |
|  | 531278 | Vista Defect: Extra line in Recommended Frequency message in Outpatient | Ruzbacki, Ron | 5/31/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
|  | 531119 | Vista Defect: Customized FRQ not showing in one scenario | Ruzbacki, Ron | 5/31/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
|  | 530822 | Vista Defect: No Dosing Checks on Albumin order | Ruzbacki, Ron | 5/30/17 | 2 - High | In Progress | M2.1 b IOC Sprint |
| MOCHA 2.1 COMBINED BUILD 1.0, Sprint 1 | 529805 | VistA Admin Schedule file does not pull up options after ?? at Schedule: prompt - IT #187 | Pearson, Holly (SMS) | 5/25/17 | 4 - Low | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1B SPRINT 3 INTERIM BUILD 1 | 529755 | Incorrect OLEM when frequency is invalid or undefined- OP&IP | Pearson, Holly (SMS) | 5/25/17 | 3 - Medium | Ready for Review | M2.1 b IOC Sprint |
| MOCHA 2.1B SPRINT 3 INTERIM BUILD 1 | 525505 | CPRS is displaying Dosing checks when the drug is dependent on MSD check only.Backdoor messages are as expected. | Sharma, Arti (SMS) | 5/19/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA 2.1B SPRINT 3 INTERIM BUILD 1 | 525330 | "Dosing Checks could not be performed for Drug: <Drug name>" message is displaying where it is not expected. | Sharma, Arti (SMS) | 5/19/17 | 3 - Medium | Reopened | M2.1 b IOC Sprint |
| MOCHA 2.1B SPRINT 3 INTERIM BUILD 1 | 524657 | IP and OP - Text is little different in expected messages (no Age). | Sharma, Arti (SMS) | 5/18/17 | 4 - Low | Ready for Review | M2.1 b IOC Sprint |
| MOCHA 2.1b CB Build 1, PSO\*7\*402 v11 | 523094 | Dosing order checks for an OP renewal are separated by "Press return to continue" - IT #214 | Pearson, Holly (SMS) | 5/16/17 | 4 - Low | In Progress | M2.1 b IOC Sprint |
| Sprint 2, PSJ\*5\*256 v11 | 512932 | CPRS Order Total Daily Order checks truncated when viewed in Vista - IssueTracker #207 | Pearson, Holly (SMS) | 5/5/17 | 3 - Medium | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 509375 | Vista Defect: Duplicate exception messages in Pharmacy for a patient without an Age | Ruzbacki, Ron | 5/1/17 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA2.1b Combined Build v11 Sprint2 | 508367 | IP and OP - Text is little different in expected messages and Missing period "." at the end of the sentence. | Sharma, Arti (SMS) | 4/28/17 | 4 - Low | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1b CB, PSJ\*5\*256 v11 | 508324 | Correcting stop time of IV kicks user back to medication profile screen | Pearson, Holly (SMS) | 4/27/17 | 3 - Medium | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 COMBINED BUILD 1.0 and PSS\*1\*178 v1 | 508225 | IP Serum Creatinine not being displayed when Vitals marked Refused | Quinn, Stephen (SMS) | 4/27/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA 2.1 COMBINED BUILD 1.0 and PSS\*1\*178 v1 | 508220 | OP Serum Creatinine not being displayed when Vitals marked Refused | Quinn, Stephen (SMS) | 4/27/17 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA 2.1 combined build v11 | 508033 | CrCL\_ BSA information in Patient Header section displays twice on various Inpatient Reports | Bertuzis, Lina | 4/27/17 | 3 - Medium | Resolved | M2.1 b IOC Sprint |
| MOCHA2.1b Combined Build v10 Sprint1 | 507981 | Inpatient – Req-2.6.5.34 - When a free text dosage is entered through CPRS for single ingredient general dosing information is being returned to CPRS. | Sharma, Arti (SMS) | 4/27/17 | 3 - Medium | Resolved | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA2.1b Combined Buildv10 | 507801 | Issue Tracker# 204 reported by Denver (John Hawk) - Dosing Checks are not available; please complete a manual check for appropriate Dosing - Message not displayed for IV | Sharma, Kanika (SMS) | 4/26/17 | 3 - Medium | Resolved | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSJ\*5\*256v10 | 506367 | Defect Reported by Charleston - Unusual Frequency doesn't act the same way if you enter a new St schedule vs. edit an existing one | Sharma, Kanika (SMS) | 4/24/17 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA2.1b Combined Build v10 Sprint1 | 505009 | Period is missing "." At the end of the sentence. | Sharma, Arti (SMS) | 4/21/17 | 4 - Low | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSS\*1\*178 | 504015 | CPRS - Formatting/text in warning message is not correct as per requirement message. | Flegel, Chris | 4/19/17 | 4 - Low | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA2.1b Combined Build v10 Sprint1 | 503166 | OP - No blank line between dosing messages displayed. | Sharma, Arti (SMS) | 4/17/17 | 4 - Low | In Progress | M2.1 b IOC Sprint |
| Mocha 2.1b Combined Build v10 Sprint 1 | 503078 | Issue Tracker# 183 - DUPLICATE THERAPY (OPT & Clinic Med Packages) MESSAGE SCROLLS OFF SCREEN | Balighian, Mehdi (SMS) | 4/17/17 | 4 - Low | Ready for Review | M2.1 b IOC Sprint |
|  | 501693 | IP - Formatting/text in warning message is not correct as per requirement message. | Sharma, Arti (SMS) | 4/13/17 | 4 - Low | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSS\*1.0\*178 V11 | 498565 | IP and OP - Backdoor Pharmacy only displaying MSD order check only when drug is dependent on both MSD and MDD order checks. | Sharma, Arti (SMS) | 4/10/17 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| M2.1 Combined Build v9, PSS\*1\*178 v10 | 493948 | Spacing issue with drug that required weight for Single Dose but not Daily Dose. | Sharma, Arti (SMS) | 3/31/17 | 4 - Low | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 487979 | Vista Defect: Issue with DRUG(S) FOR DOSING CHK FRQ field | Ruzbacki, Ron | 3/24/17 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 COMBINED BUILD v9 | 487333 | Outpatient schedule look-up/dosing frequency not functioning per the requirements -- Issue Tracker #171 | Pearson, Holly (SMS) | 3/23/17 | 3 - Medium | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSS\*1\*178 Test v10 | 484772 | Vista Defect: Display of Adjusted Dose message for IV Fluids in CPRS | Ruzbacki, Ron | 3/20/17 | 3 - Medium | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
| Mocha 2.1b Combined build v11 | 479977 | Messages with Not Screened severity - wrong text being displayed for CPRS, IPM and OP | Bertuzis, Lina | 3/13/17 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 479764 | Vista Defect: Top of Form inconsistencies - Issue tracker #71 | Ruzbacki, Ron | 3/13/17 | 3 - Medium | In Progress | M2.1 b IOC Sprint |
| MOCHA COMBINED BUILD V9 | 478430 | Old Schedule Name - Renew Pending & backdoor renewal - IV order | Vo, Mai L ( Bham OIFO) | 3/9/17 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA COMBINED BUILD V9 | 478423 | Old Schedule Name - Renew Pending & Renew - UD order | Vo, Mai L ( Bham OIFO) | 3/9/17 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| PSJ\*5\*256V9 | 466514 | Problem - Dosing error message not display on edit | Vo, Mai L ( Bham OIFO) | 2/16/17 | 4 - Low | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 461929 | General Dosing Info Message shows Orderable Item Name for IV Solution - Issue Tracker #157 | Bertuzis, Lina | 2/8/17 | 3 - Medium | Ready for Review | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 460454 | Customized Frequency Message does not display in Backdoor Pharmacy | Balighian, Mehdi (SMS) | 2/7/17 | 3 - Medium | Resolved | 2.1b Dev Sprint 2 |
| PSS\*1.0\*178 v11 | 460420 | OLEM - BSA Required for both MSD and MDD - error message text incorrect when finishing through BD IPM and OP | Bertuzis, Lina | 2/7/17 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA Combined Build V7 | 456391 | OP- CPRS - BSA MSD and BSA MDD Order Checking Reason message need to be changed - GDI component | Flegel, Chris | 1/31/17 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| Mocha 2.1 | 452793 | Dosing Messages scrolls off screen when editing IV | Balighian, Mehdi (SMS) | 1/25/17 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 445754 | Customized Frequency Message is not Displaying in Outpatient Pharmacy when Vista performs the Max Daily Dose Order Check | Bertuzis, Lina | 1/13/17 | 2 - High | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSS\*1\*201v6 | 426517 | Renaming of "AODMN" & "AOMI' cross references (PSJ) - Not testable by SQA | Vo, Mai L ( Bham OIFO) | 12/1/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| PSS\*1\*201v6 | 426515 | Renaming of "AODMN" & "AOMI' cross references (PSO) | Vo, Mai L ( Bham OIFO) | 12/1/16 | 3 - Medium | Ready for Review | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSS\*1\*201v6 | 426514 | Renaming of "AODMN" & "AOMI' cross references (PSS) | Vo, Mai L ( Bham OIFO) | 12/1/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
|  | 395129 | Vista Defect: 2.6.11 VistA - Recommended Frequency messages not showing - Issue Tracker 82 | Ruzbacki, Ron | 10/21/16 | 2 - High | Done | 2.1b Dev Sprint 2 |
|  | 395124 | Vista defect: No weight, GDI message not expected, but is better - Issue Tracker 77 | Ruzbacki, Ron | 10/21/16 | 3 - Medium | Verified | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 395110 | Vista Defect: inconsistent display on invalid med route (oral for Opth) - Issue Tracker 49 | Ruzbacki, Ron | 10/21/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 395107 | Vista Defect: Copy to New/Renew Day of Week Check Issue - Issue tracker #41 | Ruzbacki, Ron | 10/21/16 | 2 - High | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 395103 | Vista Defect: CPRS display of discontinued/expired orders in drug Interactions - Issue Tracker #70 | Ruzbacki, Ron | 10/21/16 | 2 - High | Verified | M2.1 b IOC Sprint |
| MOCHA 2.1 COMBINED BUILD V9 | 392519 | Old Schedule Name - IV Quick Code | Vo, Mai L ( Bham OIFO) | 10/17/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA COMBINED BUILD V9 | 392512 | Old Schedule Name - UD Order set | Vo, Mai L ( Bham OIFO) | 10/17/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA COMBINED BUILD V9 | 392510 | Old Schedule Name - Copy IV order | Vo, Mai L ( Bham OIFO) | 10/17/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 COMBINED BUILD V9 | 392508 | Old Schedule Name - Verify IV order | Vo, Mai L ( Bham OIFO) | 10/17/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 COMBINED BUILD V9 | 392507 | Old Schedule Name - Verify UD order | Vo, Mai L ( Bham OIFO) | 10/17/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 COMBINED BUILD V9 | 392501 | Old Schedule Name - Finish IV order | Vo, Mai L ( Bham OIFO) | 10/17/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 COMBINED BUILD v9 | 391172 | Old Schedule Name - IV Quick Code (see 392519) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| MOCHA 2.1 COMBINED BUILD v9 | 391170 | Old Schedule Name - UD Order set (see 392512) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| MOCHA 2.1 COMBINED BUILD v9 | 391166 | Old Schedule Name - Copy IV order (see 392510) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| MOCHA 2.1 COMBINED BUILD v9 | 391164 | Old Schedule Name - Copy UD order (see 392509) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| MOCHA 2.1 COMBINED BUILD v9 | 391159 | Old Schedule Name - Verify IV order (see 392508) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| MOCHA 2.1 COMBINED BUILD v9 | 391157 | Old Schedule Name - Verify UD order (see 392507) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| MOCHA 2.1 COMBINED BUILD v9 | 391148 | Old Schedule Name - Finish IV order (see 392501) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| MOCHA 2.1 COMBINED BUILD v9 | 391128 | Old Schedule Name - Finish UD order (see 392472) | Vo, Mai L ( Bham OIFO) | 10/14/16 | 3 - Medium | Done | MOCHA 2.1b |
| PSS\*1\*178v10 | 387691 | Schedule with frequency > 24h is flagged as error | Vo, Mai L ( Bham OIFO) | 10/6/16 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| MOCHA2.1 COMBINED BUILDV9 | 384870 | Frequency OC message rolls off screen in IP | Sharma, Arti (SMS) | 9/30/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 COMBINED BUILD V9 | 384656 | General dosing information is being displayed in CPRS for 2.6.4.29 Functional Requirement 29 in Outpatient | Sharma, Arti (SMS) | 9/29/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA2.1 Combined Buildv9 | 384285 | OP requirement 2.6.11.2.1 - customized frequency message not displyed in BD while finishing a CPRS Pending order, copy, renew or editing an order. | Sharma, Kanika (SMS) | 9/29/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA2.1 Combined Buildv9 | 384261 | Testing Requirement OP 2.6.11.1.1 - Customize frequency message should not be displayed under \* Order Check requires reason for Override in CPRS. | Sharma, Kanika (SMS) | 9/29/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA2.1 Combined Buildv9 | 384127 | Customized Frequency Message not being displayed in OP. Uncovered while testing requirement 2.6.11.2.3 (Captures attached) | Sharma, Kanika (SMS) | 9/28/16 | 3 - Medium | Resolved | 2.1b Dev Sprint 2 |
|  | 383270 | No Order Checks when auto verify off and taking verify action with old continuous schedule name | Bertuzis, Lina | 9/27/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA2.1 Combined Build v9 | 381906 | General Dosing Range Message is confusing - Issue Tracker #102 | Pearson, Holly (SMS) | 9/26/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 COMBINED BUILD V9 | 380540 | Different text is displaying for Reason in CPRS as “Weight required” instead of “No weight documented for patient” in OP and IP. | Sharma, Arti (SMS) | 9/21/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 COMBINED BUILD V9 | 379950 | Unable to verify "Per Orifice note " in Outpatient pharmacy | Sharma, Arti (SMS) | 9/20/16 | 3 - Medium | Done | M2.1 b IOC Sprint |
| PSJ\*5\*256v9 | 376776 | DOW sched w/multiple admin times - CPRS dose check works, but VISTA receives invalid frequency and GDI(no testable) | Vo, Mai L ( Bham OIFO) | 9/14/16 | 3 - Medium | Resolved | 2.1b Dev Sprint 1 |
|  | 375858 | Vista Defect: No General Dosing Guidelines displaying for Nitroglycerin order | Ruzbacki, Ron | 9/12/16 | 2 - High | Resolved | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSS\*1\*178v10 | 375739 | Medication Instruction file - Old Medication Instruction Name | Vo, Mai L ( Bham OIFO) | 9/12/16 | 4 - Low | Resolved | 2.1b Dev Sprint 1 |
| M2.1 Combined Build v9, PSS\*1\*178 v10 | 374957 | Reason for check failure in separate line, CPRS | Quinn, Stephen (SMS) | 9/9/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 374696 | IV Edits - Dosing Check message upon accept; Enh OC message upon verify - Requirements need to be review (section 2.6.4) | Bertuzis, Lina | 9/8/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| M2.1 Combined Build v9, PSS\*1\*178 v10 | 374647 | IPT Frequency-Dosing Check Frequency >1 time per day using wrong schedule Freq | Quinn, Stephen (SMS) | 9/8/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| M2.1 Combined Build v9, PSS\*1\*178 v10 | 374497 | Schedule with unusual Frequency and no admin time calculates the dosage incorrectly | Quinn, Stephen (SMS) | 9/8/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA2.1 Combined Build v9 | 374382 | MDD MESSAGE WHEN # ADMINS < FREQ FROM STD SCHEDULE (IPM) Issue Tracker #52 | Pearson, Holly (SMS) | 9/7/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| PSS\*1\*178 v10 (MOCHA2.1 CB v9) | 371973 | Hard Error in PSSDSEXD | Flegel, Chris | 8/31/16 | 2 - High | Done | 2.1b Dev Sprint 2 |
| M2.1 Combined Build v9 | 370426 | General Dosing Information does not display for MED ROUTE where FDB API cannot find a specific route/dose type | Balighian, Mehdi (SMS) | 8/26/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA2.1 CB v9, PSS\*1\*178 v10 | 368860 | Dosing Check Frequency prompt should not display when Exclude from Dose Checks is Yes, file 51.1 PDM Req#2.6.6.3.2 | Pearson, Holly (SMS) | 8/24/16 | 3 - Medium | Resolved | MOCHA 2.1b |
| MOCHA 2.1 Build 9 | 368613 | Dosing error Message is not being displayed in CPRS when IV additive is inactivated | Quinn, Stephen (SMS) | 8/23/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 Build 9 | 367853 | The error message in IP UD is scrolling off the screen in about a second without touching any keys. | Quinn, Stephen (SMS) | 8/22/16 | 3 - Medium | Resolved | 2.1b Dev Sprint 1 |
| M2.1 Combined Build v9 | 367625 | General Dosing Information should not display for orders of dose type 'Single Dose' | Balighian, Mehdi (SMS) | 8/22/16 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| PSO\*7\*402 test v8 - Combined Build v8 | 365616 | Incorrect intervention type for Max Single Dose & Max Daily Dose Check in Outpatient | Ruzbacki, Ron | 8/17/16 | 2 - High | Done | MOCHA 2.1b |
| PSO\*7\*402 test v8 - Combined Build v8 | 365613 | Incorrect intervention type for Max Daily Dose Check in Outpatient | Ruzbacki, Ron | 8/17/16 | 2 - High | Done | MOCHA 2.1b |
| M2.1 Combined Build v9 | 365306 | Max Daily Dose and General Dosing Messages do not display when Finishing order in VistA | Balighian, Mehdi (SMS) | 8/16/16 | 4 - Low | Done | 2.1b Dev Sprint 2 |
| Mocha 2.1 Combined Build v9 | 363794 | Scrolling Issue when Customized message is displayed for certain instances/scenarios. | Balighian, Mehdi (SMS) | 8/15/16 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 343304 | Outpatient Pharmacy and CPRS cannot perform dosing order checks on renewal/copy if the pharmacist has made a change on the previous order | Roney, Dionne L. | 6/22/16 | 2 - High | Verified | M2.1 b IOC Sprint |
| PSJ\*5\*281 | 340818 | Pharmacy User gets stuck in a loop editing a Hyperal Order | Vo, Mai L ( Bham OIFO) | 6/21/16 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| PSS\*1\*178 v10 | 261727 | Customized Frequency Message Incorrect when FDB FrequencyLow is less than one and FDB FrequencyHigh is equal to or greater than 1. | Bertuzis, Lina | 12/17/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
|  | 250715 | Dosing Check Error when sending in a FDB dose unit with a '/' in the name. | Bertuzis, Lina | 12/2/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA v2.1 combined build 7 | 180890 | OP Message spacing issues when taking Backdoor actions and displaying invalid frequency error message. | Bertuzis, Lina | 5/14/15 | 3 - Medium | New | M2.1 b IOC Sprint |
| MOCHA v2.1 combined build 7 | 180778 | Hard error when copying UD order through the backdoor | Bertuzis, Lina | 5/14/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA v2.1 combined build v7 | 180737 | Hard error in CPRS and backdoor when entering a one time schedule for iv intermittent order for drug with warning message. | Bertuzis, Lina | 5/14/15 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| MOCHA 2.1 Combined Build v 7 | 177216 | 2.6.4.1 when editing Active IV order before verifying Drug level error message window was scrolled off | Chekuri, Venkata (Liberty) | 4/28/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combined Build v 7 | 176942 | 2.6.5.11 OP Frequency PRN | Robbins, Bradley S (Liberty ITS) | 4/27/15 | 3 - Medium | Resolved | 2.1b Dev Sprint 1 |
| MOCHA 2.1 Combined Build v 7 | 176937 | 2.6.6.2 IP DDR (IV) | Robbins, Bradley S (Liberty ITS) | 4/27/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| Mocha 2.1 | 176431 | IP UD - When Editing Unit Per Dose and Accept, it does not prompt "Press Return to Continue..." and scrolls up | Balighian, Mehdi (SMS) | 4/21/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 176055 | Dosing Check Summary issues in Outpatient - Dev Task | Chalasani, Lakshmi (By Light) | 4/20/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
|  | 166976 | Not getting the system level error message when the Dosing Order Checks have been disabled in Outpatient for FINISH functionality. | Chalasani, Lakshmi (By Light) | 4/10/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA Combined build v7 | 166924 | IP- SLEM - 2.6.3.5 An unexpected error has occurred message is not displaying correctly in backdoor | Ballepu, Harika (SMS) | 4/10/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 Combined Build v7 | 166066 | The OLEM for frequency greaqter than duration not being displayed in CPRS IP IV | Quinn, Stephen (SMS) | 4/6/15 | 3 - Medium | Resolved | 2.1b Dev Sprint 1 |
| MOCHA 2.1 Combined Build v7 | 166051 | OLEM Frequency Greater Than Duration not displayed when editing IP IV order and finishing an IP IV order from CPRS | Quinn, Stephen (SMS) | 4/6/15 | 3 - Medium | Resolved | 2.1b Dev Sprint 1 |
| MOCHA 2.1 Combined Build V7 | 165492 | IP- CPRS - Weight only and Weight MDD on Order Checking Reason message need to be changed | Ballepu, Harika (SMS) | 4/2/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combined Build v7 | 165417 | Incorrect OLEM being displayed in CPRS only for IP IV orders for invalid frequency | Quinn, Stephen (SMS) | 4/2/15 | 3 - Medium | Ready for Review | M2.1 b IOC Sprint |
| MOCHA 2.1 Combined build V7 | 165137 | IP CPRS - BSA MSD only and BSA MDD only Order Checking Reason message need to be changed | Ballepu, Harika (SMS) | 4/1/15 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| Mocha 2.1 Combined Build V7 | 165009 | OP-Non Dosing-Add Display BSA/CRCL to Medication Order Detail Screen | Ramachandran, Pramona (Leidos) | 4/1/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combined Build v7 | 164987 | Hard Error in BD UD or IV first time edit of an order. | Quinn, Stephen (SMS) | 4/1/15 | 1 - Critical | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combined Build v7 | 164833 | Finishing CPRS UD and IV Order causes OLEM for Invalid route to scroll off the screen | Quinn, Stephen (SMS) | 4/1/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| Sprint 7 Demo | 164083 | CPRS message for LORAZEPAM | Hafner, Maureen K. (HP) | 3/27/15 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| Mocha 2.1 Combined Build v7 | 164079 | IP IV - Order Checks & Dosing not displaying during Edit, Accept, verify | Balighian, Mehdi (SMS) | 3/27/15 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| Mocha 2.1 combined build 7 | 163913 | Hard Error during Dup THerapy Display for Clinic Order in OP. | Bertuzis, Lina | 3/26/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combined Build v7 | 163817 | IP - Max daily Dose Error Message has incorrect verbiage for BSA missing | Quinn, Stephen (SMS) | 3/26/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combined Build v7 | 163735 | GDIM is displayed when only single dose only schedule | Quinn, Stephen (SMS) | 3/26/15 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| Mocha 2.1 Combined build V7 | 163632 | Not getting the right message in VISTA, When the Connection to the vendor database has been disabled. | Chalasani, Lakshmi (By Light) | 3/25/15 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| MOCHA 2.1 Combined Build v7 | 163606 | The Order Level Error Messages and the General Dosing Information Messages are displayed in reverse in CPRS | Quinn, Stephen (SMS) | 3/25/15 | 4 - Low | DOne | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 Combined Build v7 | 163602 | Different Order level dosing messages missing between IP UD and IP IV | Quinn, Stephen (SMS) | 3/25/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combind Build v7 | 163341 | Order Level Error Message is not being displayed in CPRS when the patient has no age | Quinn, Stephen (SMS) | 3/24/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 163290 | Dosing Check Executed when only Drug Level Error should have been displayed (IP) | Bertuzis, Lina | 3/24/15 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA 2.1 Combined build V7 | 163288 | OP- CPRS - Weight MSD and weight MDD Order Checking Reason message need to be changed | Ballepu, Harika (SMS) | 3/24/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
|  | 163264 | Dosing Check Executed when only Drug Level Error should have been displayed (OP) | Bertuzis, Lina | 3/24/15 | 3 - Medium | Verified | M2.1 b IOC Sprint |
| MOCHA Combined Build V7 | 162957 | OP- CPRS - BSA MSD and BSA MDD Order Checking Reason message need to be changed | Ballepu, Harika (SMS) | 3/23/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Combined build V7 | 162433 | OP - Need blank line between the MDD, Customized and GDI messages | Ballepu, Harika (SMS) | 3/19/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 Cobined build V7 | 161995 | IP - Customized Frequency, Dosing Check and GD messages are scrolling off the screen in backdoor | Ballepu, Harika (SMS) | 3/17/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 Build 7 | 161990 | Outpatient prompting for electronic signature when it I shouldn’t | Hafner, Maureen K. (HP) | 3/17/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| PSS\*1\*178 v8 | 161920 | Undefined error in the “Check PEPS Services Setup” option | Hafner, Maureen K. (HP) | 3/17/15 | 3 - Medium | Done | MOCHA 2.1b |
| v7 | 161783 | Wrong system level error message for dosing when vendor database link down in OP | Bertuzis, Lina | 3/16/15 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| Mocha 2.1 Combined build V7 | 161754 | CPRS problem on order display - With a specific schedule for a drug customized freq message is not dispalyed | Ballepu, Harika (SMS) | 3/16/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
| PSJ\*5\*256V7 | 161296 | <UNDEFINED>DISPON2+24^PSJOCDI \*ZPSJCLIN | Vo, Mai L ( Bham OIFO) | 3/12/15 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
| MOCHA Combined build v7 | 161231 | 2.6.11-OP- MDD OC not done - FC fails - Customised frequency messages are not displayed in backdoor | Ballepu, Harika (SMS) | 3/12/15 | 3 - Medium | Resolved | 2.1b Dev Sprint 2 |
|  | 159140 | No error message in CPRS for a patient with missing Age. | Hafner, Maureen K. (HP) | 2/26/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| Build 6 | 153484 | Override reason being prompted for when it shouldn’t be | Hafner, Maureen K. (HP) | 2/11/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| Build 6 | 153481 | CPRS to show ERRORS before ATYPE global - dev task | Hafner, Maureen K. (HP) | 2/11/15 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA2.1 Combined Build v6 | 153043 | Hard error when accepting IPIV order after finishing | Pearson, Holly (SMS) | 2/9/15 | 3 - Medium | Resolved | 2.1b Dev Sprint 1 |
|  | 145092 | PDM - Order Level Error Message Changes Part Two - Remove "Reason(s)" from Warning Message | Hafner, Maureen K. (HP) | 1/15/15 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
|  | 137810 | Dosing Check Summary issues in Outpatient - Dev Task | Ruzbacki, Ron | 11/29/14 | 3 - Medium | Reopened | M2.1 b IOC Sprint |
|  | 137683 | Dosing message incorrect when interface is down in Outpatient | Ruzbacki, Ron | 11/26/14 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
|  | 137539 | CPRS problem on order display (to be fixed by Pharmacy) | Ruzbacki, Ron | 11/25/14 | 3 - Medium | Done | M2.1 b IOC Sprint |
| MOCHA 2.1 Combined Build v6 PSJ\*5\*256 V6 | 133223 | Finishing an Inpatient Unit Dose order - Non-Verified state | Fusari, Tina (BAH) | 10/28/14 | 3 - Medium | Done | 2.1b Dev Sprint 1 |
|  | 130999 | CPRS – Unmatched/unreleased drugs (IV) not consistently showing drug level error messages | Nixon, Tony (HP) | 10/16/14 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
|  | 130901 | Can't enter new IV order after answering "no" to the intervention prompt on the previous order (ME2B) | Vo, Mai L ( Bham OIFO) | 10/15/14 | 3 - Medium | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 COMBINED BUILD v4 and PSS\*1\*178 v5 | 128239 | MOCHA2.1 UFT Charleston - IP Schedule Exclusion 2.6.9.5.1 | Sharma, Kanika (SMS) | 9/26/14 | 2 - High | Done | 2.1b Dev Sprint 2 |
| MOCHA 2.1 COMBINED BUILD v4 and PSS\*1\*178 v5 | 128231 | General dosing range different from scenerio | Sharma, Kanika (SMS) | 9/26/14 | 4 - Low | Done | 2.1b Dev Sprint 3(Hardening Sprint) |
| MOCHA 2.1 Combined Build v4 PSJ\*5\*256 V6 | 128209 | MOCHA2.1 UFT Charleston - ME2 incorporration of Schedule Exclusion Renewal UD | Sharma, Kanika (SMS) | 9/26/14 | 1 - Critical | Done | 2.1b Dev Sprint 1 |
|  | 124136 | OP- Max Daily dose 2.6.1.11 No intervention shall be required for the display of only a general dosing and with error message | Chekuri, Venkata (Liberty) | 9/11/14 | 3 - Medium | Done | 2.1b Dev Sprint 2 |
|  | 32534 | OP-General dosing message not displaying for simple orders; displays in wrong place for complex orders | Thomas, Donna (HP) | 12/26/13 | 3 - Medium | In Progress | M2.1 b IOC Sprint |
|  | 32407 | multiple dosing error messages for IV free text infusion rate | Thomas, Donna (HP) | 12/26/13 | 3 - Medium | Done | 2.1b Dev Sprint 2 |

Table 1: Test Defect Log

## Open Defect Summary

The table below lists the defects, for which fixes will not be delivered at the start of IOC, with their work around explanation.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Id | Summary | Severity | Status | Work Around Explanation |
| 583558 | Page breaks for available dosages in the middle of the screen for Outpatient, Issue tracker#256. | 4 - Low | New | Formatting issue only |
| 578982 | Lorazepam requires weight for Continuous Infusion route but not for Intravenous route. | 3 - Medium | New | FDB issue -- PBM deciding whether to pursue or not |
| 577621 | Vista Defect: Incorrect text in error message | 3 - Medium | In Progress | Messages with needed info are given -- wording issue only |
| 574490 | Formatting issue in IP and OP for order level error message. | 4 - Low | In Progress | Formatting only |
| 571425 | OP- Message "Now Renewing Rx # XXXX Drug: XXXXX" is scrolling of screen. | 4 - Low | In Progress | User can see that order was renewed in another screen |
| 571075 | CK hidden action - issues with allergy check | 4 - Low | New | Legacy issues. Maintenance team rejected because they decided the issues are not defects. Cindy Seburn asked to have a ticket logged so we won’t forget them. |
| 569786 | Inpatient formatting issues for Dosing messages | 3 - Medium | In Progress | Formatting issue only. |
| 568259 | No line gap between the expected message and the next prompt. | 4 - Low | In Progress | Formatting issue only. |
| 568005 | While displaying order level error message “Performed” is being displayed instead of “done” in CPRS. | 4 - Low | New | Verbiage issue only. |
| 567984 | Colon ‘:’ is being displayed after the drug name in few instances in CPRS and in VistA. | 4 - Low | New | Formatting issue only. |
| 567345 | Vista Defect: Technician logging an Intervention | 3 - Medium | New | Legacy issue. Logged so it can be discussed and re-assigned appropriately |
| 566858 | Vista Defect: Invalid line of code discovered in Outpatient Duplicate Therapy Display Logic | 3 - Medium | In Progress | Being investigated -- currently causes no issue. |
| 564713 | GDI message displayed with MSD error (bsa required) when it should not through CPRS and BD IPM and OP. | 3 - Medium | In Progress | Correct info is displayed along with an extra message. |
| 564661 | Bad Route not Incorporated in Error Message OP and IPM | 3 - Medium | New | Error message is displayed it simply omits the reason. |
| 564602 | Formatting Issues for Dosing message displays in Outpatient Pharmacy | 3 - Medium | In Progress | Formatting issue only |
| 564167 | Error Text Incorrect for Various Scenarios on CPRS side for OP and some for IP | 3 - Medium | New | Verbiage issue only. |
| 563055 | Frequency Low value not rounded for custom frequency message display | 3 - Medium | New | Value is displayed it's just not rounded. |
| 557371 | OP formatting issues for complex orders for Per Orifice Note functionality | 3 - Medium | In Progress | Formatting issue only. |
| 557273 | Available Dosage List incorrect when editing Rx entered by non RPH for drug with no Dosages defined. | 3 - Medium | In Progress | Display difference between new order and edit. Does not affect functionality. |
| 539135 | Vista Defect - Formatting Issues in Outpatient Pharmacy | 2 - High | In Progress | Formatting issue only |
| 534782 | 2.6.1\_OP\_Max Daily Intro\_PBM V7-10 Top of Form and dosing info displayed on single screen | 3 - Medium | In Progress | Formatting issue only |
| 532804 | Spacing issue while testing when invalid or undefined frequency is used to enter an OP order in Backdoor. | 3 - Medium | In Progress | Formatting issue only |
| 532313 | CPRS is displaying Dosing checks when the drug is dependent on MDD check only for both IP and OP. Backdoor messages are as expected. | 4 - Low | Reopened | Verbiage issue only. |
| 525330 | "Dosing Checks could not be performed for Drug: <Drug name>" message is displaying where it is not expected. | 3 - Medium | Reopened | Unnecessary message displaying. |
| 523094 | Dosing order checks for an OP renewal are separated by "Press return to continue" - IT #214 | 4 - Low | In Progress | Formatting issue only |
| 503166 | OP - No blank line between dosing messages displayed. | 4 - Low | In Progress | Formatting issue only. |
| 479764 | Vista Defect: Top of Form inconsistencies - Issue tracker #71 | 3 - Medium | In Progress | Formatting issue only. |
| 227387 | Vista Task: Variable PSJDAOC is not always defined or cleaned up | 4 - Low | New | Non-functionality issue. |
| 200919 | Outpatient Occurrence Field Issue | 3 - Medium | New | Future functionality |
| 190695 | Data for Occurrence field #2 in the Order Check Instances file (#100.05) PBM request to change text - IP | 3 - Medium | New | Future functionality |
| 180890 | OP Message spacing issues when taking Backdoor actions and displaying invalid frequency error message. | 3 - Medium | New | Formatting issue only |
| 163562 | Pending and Non-VA Med Orders without Dispense Drug - OC Hx Log Display for OP | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 163275 | OP OC History Dosing messages not displaying all required fields | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 163230 | IP - Order Check history log is not shown when verify is completed within the same order session | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 155751 | CR1006 - Activiy Log shows Pending Orders, Missing Significant Drug Drug interactions, multiple Remote not available | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 155405 | OC History did not display remote data for a therapeutic duplication message | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152882 | IP IV Order check history for New Order TherapeuticDup missing and/or incorrect details | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152819 | OUTPATIENT file 100.05 For DRUG Allergy Changes - for Order Check history not consistent with data dictionary | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152652 | Order Check History not displayed in Activity Log for IPF and Profile(IV) options | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152611 | Testing Activity Log - IP Unit Dose (Copy) - the Activity Log is not capturing Order Checks that fired | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152578 | IP IV order Check History for Drug-Drug Interaction - details missing Edit and Renew | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152554 | Duplicate allergy checks in OC History when renewing an order | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152407 | Not matched to NDF allergy checks – direct match to file 50 as before ME2B or display all returned order checks | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152400 | IP IV Drug-Drug Interaction for new order-several fields missing or incorrect | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152379 | View Order Check Details/History ( Outpatient CCR) | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152378 | View Order Check Details/History (Inpatient Coding) | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152280 | The Order Checks History is now displaying the Drug-Drug Interaction messages section, but is missing the sections for Remote Data and Allergy Assessments. 13 | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152279 | IP IV Order Check History Drug-Drug Interaction-details missing on Copy-Vista and CPRS | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152200 | OUTPATIENT file 100.05 use for Order Check history not consistent with data dictionary | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152193 | Activity Logs 5, 6, 7 show three time stamps for REMOTE DATA UNAVAILABLE. Should this only Show Once | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 152100 | IP IV Order Check History for AMINOGLYCOSIDE ORDERED-order check details missing | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 137810 | Dosing Check Summary issues in Outpatient - Dev Task | 3 - Medium | Reopened | Formatting issue only |
| 109419 | IP - Add Clinical Order Check w/ Offending ingredient to the Actual IV Order check for Consistency- Inpatient | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 109413 | OP OC History - Significant Drug interaction message not displaying remote order | 3 - Medium | New | Future functionality, functionality removed from 2.1b |
| 44775 | Dosing Check triggered by editing a field that should not in Outpatient Pharmacy when finishing or entering a new order through the backdoor. | 3 - Medium | Reopened | Future functionality, functionality removed from 2.1b |
| 32534 | OP-General dosing message not displaying for simple orders; displays in wrong place for complex orders | 3 - Medium | In Progress | Formatting issue. |

# Test Results Summary

The testing was performed in the PRE SQA Test Center on a de-identified Cheyenne VMS/Cache database, which was patched up to the start of testing with all Nationally Released patches. Databases used were CHEYL36 (Gold Account) and CHEYL72.

The test sites installed and tested the associated test scenarios. See table below for list of patches and release dates of each iteration.

| **Message Name** | **Patch Prefix** | **Mini /Ver** | **Message Number** | **Date Received** | **Environment Installed** | **Date Installed** | **Testing start** | **Testing end** | **Sent to test site** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PSO\*7\*500 |  |  | Host file | 8/21/17 | CHEYL72 | 8/21/17 | 8/21/17 | 8/30/17 | 8/23/17 |
| PSS\*1\*178 v16 |  |  | Host file | 8/8/17 | CHEYL72 | 8/8/17 | 8/8/17 | 8/30/17 | 8/9/17 |
| MOCHA\_2\_1\_PSO\_OR\_PSJ\_V13 contains PSO\*7\*402 v13, PSJ\*5\*256 v13, and OR\*3\*382 v9 |  |  | Host file | 8/3/2017 | CHEYL72 | 8/3/17 | 8/3/17 | 8/30/17 | 8/9/17 |
| Mocha 2.1b Critical Fixes from UFT |  |  | 84555472 | 6/19/17 | CHEYL72 | 6/19/17 | 6/19/17 | 6/21/17 | n/a |
| MOCHA\_2\_1\_PSO\_OR\_PSJ\_V12 combined build contains PSO\*7\*402 v12, PSJ\*5\*256 v12, and OR\*3\*382 v8 |  |  | Host file | 5/31/17 | CHEYL72 | 5/31/17 | 6/1/17 | 6/15/17 | 6/5/17 |
| PSS\*1\*178 v13 |  |  | Host file | 5/31/17 | CHEYL72 | 5/31/17 | 6/1/17 | 6/15/17 | 6/5/17 |
| MOCHA\_2\_1\_PSO\_OR\_PSJ\_V11 combined build contains PSO\*7\*402 v11, PSJ\*5\*256 v11, and OR\*3\*382 v7 |  |  | Host file | 4/26/17 | CHEYL72 | 4/26/17 | 4/27/17 | 5/17/17 | 5/2/17 |
| PSS\*1\*178 v12 |  |  | Host file | 4/26/17 | CHEYL72 | 4/27/17 | 4/27/17 | 5/17/17 | 5/2/17 |
| MOCHA\_2\_1\_PSO\_OR\_PSJ\_V10 combined build contains PSO\*7\*402 v10, PSJ\*5\*256 v10, and OR\*3\*382 v7 |  |  | Host file | 4/5/17 | CHEYL72 | 4/5/17 | 4/6/17 | 4/27/17 | 4/11/17 |
| PSS\*2\*178 v11 |  |  | Host file | 4/5/17 | CHEYL72 | 4/5/17 | 4/6/17 | 4/27/17 | 4/11/17 |
| PSS\*1\*201 v8 | PSS |  | 83175432 | 4/5/17 | CHEYL72 | 4/5/17 | 4/6/17 | 4/27/17 | 4/11/17 |

Table 2: Test Summary Results

## Defect Severity and Priority Levels

A defect is defined as a flaw in a component or system that can cause the component or system to fail to perform its required function, e.g., an incorrect statement or data definition. A defect, if encountered during execution, may cause a failure of the component or system.

Defects are categorized according to severity and priority levels. The test analyst assigns the severity, while the development manager assigns the priority for repair. For more information, see Defect Severity and Priority Definition in this Test Evaluation.

|  |  |
| --- | --- |
| Defect Priority | # of Defectss |
| 1 - Resolve Immediately | 18 |
| 2 - Give High Attention | 47 |
| 3 - Normal Queue | 78 |
| 4 - Low Priority | 15 |
| Unassigned | 60 |

Table 3: Total Defects By Priority

Figure 1: Total Defects by Priority

## Total Defects by Severity Level

|  |  |
| --- | --- |
| Defect Severity | # of Defects |
| 1 - Critical | 5 |
| 2 - High | 20 |
| 3 - Medium | 167 |
| 4 - Low | 26 |

Table 4: Defects by Severity Level

Figure 2: Total Defects by Severity Level

## Breakdown of Test Results

The regression testing for MOCHA2.1 Combined Build v9 was started in August and completed in September:

The table below lists the test results for all Verification Points (VP) and # of Pass/Fail Verification Points.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **VPs** | **Pass** | **Fail** | **Not Testable** | **% Complete** |
| Holly | 617 | 497 | 110 | 0 | 98.38% |
| Arti | 881 | 687 | 194 | 0 | 100.00% |
| Mehdi | 809 | 793 | 6 | 0 | 98.76% |
| Steve | 1228 | 1218 | 10 | 0 | 100.00% |
|  |  |  |  |  |  |
| **TOTALS** | 3535 | 3195 | 320 | 0 | 99.43% |

Table 5: Verification Points – August 2016

A full regression was done for the hardening sprint in June of 2017:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| INPATIENT |  |  |  |  |  |  |
| **Tester** |  | **Total VP** | **Pass** | **Fail** | **Not Testable** | **% complete** |
| Arti |  | 486 | 460 | 21 | 5 | 100.00% |
| Holly |  | 4 | 4 | 0 | 0 | 100.00% |
| Mehdi |  | 582 | 575 | 3 | 4 | 100.00% |
| Steve |  | 377 | 287 | 0 | 90 | 100.00% |
| Automated |  | 59 | 59 | 0 | 0 | 100.00% |
|  |  |  |  |  |  |  |
|  | **TOTALS** | **1508** | **1385** | **24** | **99** | **100.00%** |
|  |  |  | 91.84% | 1.59% | 6.56% |  |
|  |  |  |  |  |  |  |
| Outpatient |  |  |  |  |  |  |
| **Site** | **Size** | **Total VP** | **Pass** | **Fail** | **Not Testable** | **% complete** |
| Arti |  | 283 | 277 | 6 | 0 | 100.00% |
| Holly |  | 89 | 45 | 44 | 0 | 100.00% |
| Mehdi |  | 0 | 0 | 0 | 0 |  |
| Steve |  | 72 | 72 | 0 | 0 | 100.00% |
| Automated |  | 152 | 152 | 0 | 0 | 100.00% |
|  |  |  |  |  |  |  |
|  | **TOTALS** | **596** | **546** | **50** | **0** | **100.00%** |
|  |  |  | 91.61% | 8.39% | 0.00% |  |
|  |  |  |  |  |  |  |
| PDM |  |  |  |  |  |  |
| **Site** | **Size** | **Total VP** | **Pass** | **Fail** | **Not Testable** | **% complete** |
| Arti |  | 31 | 31 | 0 | 0 | 100.00% |
| Holly |  | 317 | 315 | 2 | 0 | 100.00% |
| Mehdi |  | 0 |  |  |  |  |
| Steve |  | 0 |  |  |  |  |
| Automated |  | 8 | 6 | 2 | 0 | 100.00% |
|  |  |  |  |  |  |  |
|  | **TOTALS** | **356** | **352** | **4** | **0** | **100.00%** |
|  |  |  | 98.88% | 1.12% | 0.00% |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Overall** |  | **2460** | **2283** | **78** | **99** | **100%** |

The failures were documented in RTC. Two of the failures were deemed critical and another sprint (sprint 4) was added to address these two issues along with as many of the other lower priority issues as possible.

This build was delivered to SQA in August of 2017 and a full 2.1b functionality regression was done along with the testing of 41 defect fixes that were included in the build. The build was also delivered to the test sites where testing of the scenarios which covered the defects only were tested. There is one outstanding high priority defect that we plan to address with a follow-on patch that would be part of the installation of MOCHA 2.1b The remaining defects will be addressed in IOC if any critical issues are found during IOC. Critical issues would require another build. If another build is delivered, SQA will conduct another full regression. The Verification Points (VP) marked as untestable will have test script updates made to remove the erroneous scenarios.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Summary** August 2017 | |  |  |  |  |  |
| **Area** | **# Scenarios** | **Verification Points** | **Pass** | **Fail** | **Not Testable** | **% Completed** |
| **INPATIENT** | | | | | | |
| **Arti** |  | 591 | 484 | 107 | 0 | 100.00% |
| **Holly** |  | 92 | 90 | 2 | 0 | 100.00% |
| **Mehdi** |  | 734 | 682 | 0 | 52 | 100.00% |
| **Steve** |  | 714 | 712 | 2 | 0 | 100.00% |
| **Farzin** |  | 30 | 30 | 0 | 0 | 100.00% |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Totals:** | **114** | **2161** | **1998** | **111** | **52** | **100.00%** |
| **OUTPATIENT** | | | | | | |
| **Arti** |  | 442 | 428 | 14 | 0 | 100.00% |
| **Holly** |  | 283 | 230 | 52 | 1 | 100.00% |
| **Mehdi** |  | 196 | 166 | 0 | 30 | 100.00% |
| **Steve** |  | 222 | 222 | 0 | 0 | 100.00% |
| **Farzin** |  | 11 | 11 | 0 | 0 | 100.00% |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Totals: | **41** | **1154** | **1057** | **66** | **31** | 100.00% |
| **PDM** | | | | | | |
| **Arti** |  | 0 | 0 | 0 | 0 | 0.00% |
| **Holly** |  | 24 | 20 | 4 | 0 | 100.00% |
| **Mehdi** |  | 0 | 0 | 0 | 0 | 0.00% |
| **Steve** |  | 0 | 0 | 0 | 0 | 0.00% |
| **Farzin** |  | 10 | 10 | 0 | 0 | 100.00% |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Totals: | **6** | 34 | 30 | 4 | 0 | 100.00% |
|  | | | | | | |
| **TOTALS FOR ALL:** | **161** | **3349** | **3085** | **181** | **83** | **100.00%** |

# Test Coverage

SQA created all test cases which are stored in RTC. The high level link is (please copy and paste):

httpsURL/qm/web/console/PHARM%20(QM)#action=com.ibm.rqm.planning.home.actionDispatcher&subAction=viewTestCases&updateAction=clear-filter-selection

From there you can filter based on Team, Application, etc..

SQA Patch Checklists were completed for each version of these patches, issues found were reported to the developers, and corrections were made in the patches. Full test case execution was done as functionality was delivered.

All requirements laid out in the RTC stories were covered in test cases and included as part of testing as test sites.

Testing of this patch was done against MOCHA server 3.0. Specific MOCHA server 3.0 testing, on the server itself, was done using SOAP UI as new builds were placed on the server. The MOCHA server 3.0 requirements with links to the test cases and results may be found here (please copy and paste to yhour browser):

https://URL.DNS/rm/web#action=com.ibm.rdm.web.pages.showProjectDashboard&projectURI=https%3A%2F%2FDNS>URL%2Frm%2Fprocess%2Fproject-areas%2F\_JM7DIkEeEeGP7OBhqRC-8A&vvc.configuration=https%3A%2F%2FURL>DNS%2Frm%2Fcm%2Fstream%2F\_5\_kBYNI6EeWADNdRzgPDKQ

## Risks Covered

Risk-based testing was utilized in the testing. Testing focused first on the verification of corrected functionality. High level Smoke test was performed to validate that the patch was installed successfully and order checking functionality was functioning correctly.

We also conducted rollback testing to verify that the MOCHA 2.1b patch could be successfully backed out if needed.

## Section 508 Compliance Coverage

Testing Methodology:

MOCHA uses the VistA List Manager and Roll and Scroll screens as its presentation layer. The application was tested using the Attachmate Reflections emulator to access VistA with JAWS version 16 used as the screen reader. The appropriate Attachmate Reflections configurations were in place and the JAWS scripts provided by the 508 office were installed.

*Test cases with results*

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | **Test Case Name** | **Status** | **Date(s) Run** |
| 102069 | IP Dosing Change - 508 compliance Test | Passed | 4/27/2017, 5/2/17, 6/1/17, 8/18/17 |
| 103956 | OP Dosing Change - 508 compliance Test | Passed | 4/27/2017, 5/2/17, 6/1/17, 8/18/17 |

# Suggested Actions

# Defect Severity and Priority Definitions

The classification of defects within a system examines both the severity and priority of the defect.

Severity is a measure of how great the impact is on the user’s ability to complete the documented actions within the system.

Priority determines the speed with which a given defect must be repaired.

Defect classification may be determined either because testing is delayed by a failure in the system or because a cumbersome workaround prevents a user from completing the assigned tasks. Both severity and priority measures must be recorded when scheduling defect resolution tasks.

## Defect Severity Level

The following subsections identify the defect severity levels.

### Severity Level 1 – Critical

Institute of Electrical and Electronics Engineers (IEEE) definition: The defect results in the failure of the complete software system, of a subsystem, or of a software unit (program or module) within the system.

* Any defect that compromises patient safety or system security. Examples of system security defects include breach of confidentiality requirements of the Privacy Act, the Health Insurance Portability and Accountability Act (HIPAA), or Federal Tax Information guidelines.
* Loss of system functionality critical to user operations with no suitable workaround, i.e., there is no way to achieve the expected results using the application.
* System crash or hang that prevents further testing or operation of the complete application or a section of the application.
* Any defect that causes corruption of data from a result of the system (as opposed to user error).
* Any defect in which inappropriate transmissions are consistently generated or appropriate transmissions of HL7 messages fail to be generated.
* Loss of functionality resulting in erroneous eligibility/enrollment determinations or communications not being sent.

### Severity Level 2 - High

IEEE definition: The defect results in the failure of the complete software system, of a subsystem, or of a software unit (program or module) within the system. There is no way to make the failed component(s) function. However, there are acceptable processing alternatives which will yield the desired result.

* A major defect in the functionality that does not result in corruption of data.
* A major defect in the functionality resulting in a failure of all or part of the application, where:
* The expected results can temporarily be achieved by alternate means. The customer indicates the work around is acceptable for the short term.
* Any defect that does not conform to Section 508 standards.
* Any defect that results in inaccurate or missing requirements.
* Any defect that results in invalid authentication or authentication of an invalid end user.

### Severity Level 3 - Medium

IEEE definition: The defect does not result in a failure, but causes the system to produce incorrect, incomplete, or inconsistent results, or the defect impairs the systems usability.

* Minor functionality is not working as intended and a workaround exists but is not suitable for long term use
* The inability of a valid user to access the system consistent with granted privileges
* Typographical or grammatical errors in the application, including installation guides, user guides, training manuals, and design documents
* Any defect producing cryptic, incorrect, or inappropriate error messages
* Any defect that results from the use of non-standard data terminology in the application or documentation, as defined by the Department of Veterans Affairs
* Cosmetic issues that are important to the integrity of the product, but do not result in data entry and or data quality problems.

### Severity Level 4 - Low

IEEE definition: The defect does not cause a failure, does not impair usability, and the desired processing results are easily obtained by working around the defect.

* Minor loss of or defect in the functionality where a long term use exists
* Low-level cosmetic issues.

## Priority Classifications

The following subsections identify the appropriate actions for defects at each priority level, per definitions of IEEE.

### Priority 1 - Resolve Immediately

Further development and/or testing cannot occur until the defect has been repaired. The system cannot be used until the repair has been affected.

### Priority 2 - Give High Attention

The defect must be resolved as soon as possible because it is impairing development and/or testing activities. System use will be severely affected until the defect is fixed.

### Priority 3 - Normal Queue

The defect should be resolved in the normal course of development activities. It can wait until a new build or version is created.

### Priority 4 - Low Priority

The defect is an irritant that should be repaired, but can be repaired after more serious defects have been fixed.

# Optional Tables, Charts, and Graphs

See charts in previous sections.

# Test Case/Test Script Approval Signatures

Title: MOCHA 2.1bTest Cases/Test Scripts

System, Application, or Patch: *PSJ\*5\*256, PSO\*7\*402, PSS\*1\*178*

Review Date:

Signed:

*Heidi Cross, OI&T PD PRE, Program Manager*

*<Integrated Project Team (IPT) Chair>*

Signed:

*Lynn Sanders, VHA PBM, Associate Chief Consultant, Clinical Informatics/Reengineering*

*< IPT member >*

Signed:

*Margaret Tong, OI&T SDE PAO, Project Manager*

*< IPT member >*