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# Veterans Personal Finance System (VPFS)

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## Personal Funds of Patients (PFOP) Data Diagnostic Patch User Guide PRPF\*3.0\*15



November 3, 2006

U.S. Department of Veterans Affairs  
Health Systems Design & Development

**History of Revisions**

<b>Version</b>	<b>Section Changed</b>	<b>Description of Change</b>	<b>Effective Date</b>	<b>Contacts</b>
0.1	All	New document created from selected sections of the VistAMigrate Data Migration Guide to facilitate use of M Patch PRPF*3.0*15.	9/02/2005	REDACTED REDACTED REDACTED
0.2	Appendix A.	Corrected numbering of items in table.	09/08/05	
0.3	Appendix A.	Corrected invalid information in table and patch from review results associated with P15	10/10/05	REDACTED
0.4	Appendix A.	Corrected invalid information in table and patch from review results associated with P15	10/14/05	REDACTED
0.5	Appendix A.	Corrected invalid information in table from review results associated with P15	11/1/05	REDACTED
0.6	Appendix A.	Corrected invalid information in table and patch from review results associated with P15	11/4/05	REDACTED
0.7	Appendix B.	Corrected invalid information in table and patch from review results associated with P15	11/7/05	REDACTED
0.8	Footer changes.	Corrected invalid date on all page footers.	11/7/05	REDACTED
0.9	Appendix B.	Corrected invalid information in table and patch from review results associated with P15	11/8/05	REDACTED
0.10	Appendix B.	Corrected invalid information in table and patch from review results associated with P15 and patch user doc	11/21/05	REDACTED
0.11	Appendix B.	Corrected invalid information in	11/21/05	REDACTED

		appendix A		
0.12	All	Turn off tracking doc changes for initial distribution	12/06/05	REDACTED
0.13	All	Turn on tracking doc changes and update information on Patient Type in the appendix	01/10/06	REDACTED
0.14	Appendix A and B	Update Appendix with information from P15T31	02/13/06	REDACTED
0.15	Appendix A and B	Update Appendix with information from review with Tami	02/14/06	REDACTED
0.16	1.1, 1.3.3, Appendix A	Updates from final review items from Tami and business rules updates from Stefan	02/24/06	REDACTED
0.17	All	Implemented changes per WPR Issues Resolution Log from SEPG/SQA 4/4/06	6/12/06	REDACTED
0.18	Appendix A	Change to line item 47 in Table A-1, added comment for same.	6/26/06	REDACTED
0.19	Appendix A	Revised comment for line item 47 in Table A-1.	6/30/06	REDACTED
0.20	Appendix A	Revised comment for line item 14 in Table A-1.	10/26/06	REDACTED
0.21	Appendix A	Corrected spelling on page A-5 and A-10.	11/03/06	REDACTED

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# About This Document

## Document Purpose

The purpose of the Personal Funds of Patients (PFOP) Data Diagnostic Patch User Guide is to provide assistance with using MUMPS (M) Patch PRPF\*3.0\*15 to diagnose and clean data in the M environment prior to the data migration process.

## Document Audience

The audience for this document includes:

- Primary audience: Local Information Resource Management (IRM), Automated Data Processing Application Coordinator (ADPAC), Personal Funds of Patients (PFOP) staff responsible for diagnosing and cleaning data before migration, National Training and Education Office (NT&EO) responsible for training
- Others: Project Implementation Office (PIO)

## Conventions Used in this Document

Format	Indicates...
<b>bold</b>	A control that you click, such as a button, icon, or link, or a field label. Example: Click <b>Deploy</b> .
<code>Courier - normal</code>	Text that appears on the screen or in a log file. Example: <code>Table created.</code>
<code>Courier - bold</code>	Text that you type. <code>SQL&gt;quit</code>
<code>&lt;Courier&gt; italic and enclosed in angle brackets</code>	A variable that you replace with the specified text Enter password: <code>&lt;sysDBA password&gt;</code>

## Additional Resources

For the complete description of Patch 15 including installation instructions, see the documentation included with Patch 15.

For additional documentation, such as the VistAMigrate Data Migration Guide, go to the Veterans Health Administration (VHA) Application Modernization website:

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# 1. Patch PRPF\*3.0\*15

## 1.1 Objective

The objective of PRPF\*3.0\*15 (Diagnostic Patch 15) is to allow sites to diagnose and resolve as many issues as possible before they migrate from VistA legacy Personal Funds of Patients (PFOP) to the Veterans Personal Funds System (VPFS). Install and use Diagnostic Patch 15 well in advance of your actual data migration date to allow time to run the diagnostic routine, review the reports, and make corrections in the M environment repeatedly to narrow down the count of errors. Although it is desirable, you do not need to cleanse your data 100%. It is important, however, to correct any data that violates the rules imposed by the FileMan data dictionary's input transform for a field. Such data errors could cause the migration process to fail. For example, if the input transform says a field must be between 3 and 30 characters, but the actual data is 40 characters, this error should be corrected.

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**Note:** Patch 15 is a reporting tool only. It does not prevent records with errors from being extracted from the M environment. Later, when you run the Analyze step on your extracted data in the reengineered environment, records with errors will be moved to an error file and will *not* be migrated.

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Patch 15 does the following:

- **Menu Option:** Patch 15 adds a new menu option to the supervisor's menu that allows users of the Patient Funds package to initiate a database diagnostic analysis. This database analysis is restricted to files relating to the Patient Funds package. The new menu option, Database Diagnostic Report [PRPF DATA DIAGNOSTIC REPORT], requires the PRPF SUPERVISOR key.
  - **Summary Report:** The database diagnostic analysis produces a diagnostic summary report of invalid or missing data elements, and a count of how many of each needs to be investigated. A prompt appears at the end of the summary report providing the option to produce the detail report.
  - **Detail Report:** The detail report includes specific break out information regarding all invalid or missing data elements that are in the summary report. For easy reference, error numbers in the detail report refer to error (or line) numbers in the summary report.

Following is a sample of the Supervisor menu including the Database Diagnostic Report menu option:

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```
Select Patient Funds (INTEGRATED) System Option: 8  Supervisor Menu
 1      Add/Edit Patient Funds Forms
 2      Enter/Edit Remarks Codes
 3      Clear Account Lock
 4      Deferral Date Edit
 5      Productivity Report
 6      Update Patient Status for ALL Accounts
 7      Verify and Correct Balance
 8      Archive Patient Funds Transactions
 9      Summarize & Purge Patient Funds Transactions
10     Date Variance Report
11     Negative Balance Report
12     Database Diagnostic Report
```

Select Supervisor Menu Option:

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## 1.2 Overview of Steps in the M Environment

Staff at the local site completes the following iterative steps in the M environment. Cycle through these steps repeatedly until you are confident that your data is cleansed to your needs and will migrate successfully.

1. **Diagnostics:** Select menu option [PRPF DATA DIAGNOSTIC REPORT] to run the diagnostic routine in the M environment to check for errors, such as invalid date format or missing social security number (SSN).
2. **Review:** Review the summary report that is produced by the diagnostic routine to identify errors that need to be corrected before migrating data to the reengineered application. When prompted at the end of the summary report, run the detail report if you need detailed information.
3. **Cleanup:** Use the appropriate Veterans Health Information Systems and Technology Architecture (VistA) menu options to clean your data by correcting any data errors found in the summary and detail error reports produced by the diagnostic routine. You may need to get assistance outside the realm of PFOP to clean data for you, such as patient names, date of birth (DOB), or SSN.

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**Notes:** Cleanup should be performed by staff members who understand the data and the business rules. If necessary, authorized users can clean up the data by going into the M code using standard processes and documenting changes.

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## 1.3 Performing Diagnostics and Data Cleanup in the M Environment

Diagnostics and data cleanup is an iterative process that typically requires several cycles of error checking and correcting before data for the site can be migrated. The Diagnostic routine checks all of the data for a number of identified errors that may prevent the data from migrating successfully. The Cleanup routine produces both a summary and a detailed report, that you use as a reference to locate and correct data errors. You can print or view the reports online.

Generally, you use the VistA menu options to correct errors. However, if this is not feasible, ask your local ADPAC representative to coordinate the cleanup of data owned by other groups.

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**Note:** All data cleanup cycles must be completed 2 weeks prior to the beginning of the actual data migration for the site. Several days before cutover, there will be one more run of the Diagnostic routine to check the data quality prior to beginning the data migration process.

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To access the Patient Funds Diagnostic reports:

1. Log on to PFOP as PRPF Supervisor.
2. Open the Patient Funds Supervisor Menu [PRPF SUPERVISOR].
3. Select **PRPF DATA DIAGNOSTIC REPORT**.  
After a short period, dots appear to indicate that the report is running, the Patient Funds Diagnostic Summary report is displayed. The `DEVICE:` prompt appears.

4. Do any of the following:

- Let the report print to the screen using ;132;999, then copy and paste the report to a text editor.
- Turn on capture to file in KEA.
- Enter a printer name to print both the summary and detail versions of the Patient Funds Diagnostic Summary report.  
DEVICE: <your\_printer>  
Both reports are printed on the printer you specified. File the reports in the site's data migration binder.
- Enter a file name to save both the reports to file.  
DEVICE: <folder/file\_name>  
A file containing both versions of the report is saved to the location and file name that you specified.
- To exit without saving or printing the reports, enter the caret symbol (^).

### 1.3.1 Patient Funds Diagnostic Summary Report

The Patient Funds Diagnostic Summary report is designed to be a quick and easy way for you to validate all data that will be involved with the migration of the Patient Funds package to the new VPFS application.

The diagnostic report generates a Summary Report, which is intended to be a quick reference to the amount of data elements that are not validating correctly. The Summary Report contains the total number of patient accounts processed and the total balance of all patient accounts at the time the summary was generated. For a sample of this report, see Appendix B.

### 1.3.2 Patient Funds Diagnostic Detail Report

At the end of the summary report a prompt appears asking if you would like to generate the detail report. Typically, the error count in the summary report provides all the information that you need to view your progress in cleaning up data and generating the detail report is not necessary.

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**Note:** The detail report can be quite large. Before you generate the detail report, check the notation at the end of the summary report indicating how many lines will be in the detail report. (See the highlighted text in the sample below.)

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NOTE: In addition to the summary report there is an available detail report, this report can be sent to any device or flat file if required.

>>>> The detail diagnostic report will contain 2550 lines.

If you still desire the detail report, then please input the name of the device that the report will be sent to.

If the detail report is not desired then input "^" at the device prompt and the detail report will not print.

DEVICE:  
\*\*\*\*\*

To access the detail report, at the DEVICE prompt, do one of the following:

- To display the report on the screen, accept the defaults.

- To print the report, enter the name of a printer.
- To save the report to a flat file, enter a file name.
- To return to the Supervisor's Menu without displaying, printing, or saving the report, enter ^.

The detail report records consist of a series of data fields (STATION ID, ERR#, NAME, DESC, VALUE) .

Each field is separated by the delimiter “^”. All detail records can be imported into a spreadsheet and sorted or generated into other reports. The detail report is sorted by default in the order of Station-id then by error number and then by patient name. For a sample of this report, see Appendix B.

- **VPFS data:** If an asterisk (\*) appears by the error number on the summary report, the data for the field is owned by VPFS and can be edited by VPFS. Patient Funds staff can use the appropriate VistA Patient Funds menu options to correct the data for each patient.
- **Non-VPFS data:** If no asterisk (\*) appears by the error number on the summary report, the data for the field is not editable by Patient Funds staff. Contact your ADPAC to coordinate changes to data that is owned by other packages.

### 1.3.3 Correcting Patient Funds Errors

This section provides tips for correcting errors in the M environment.

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**Note:** If you cannot correct the error through the local VistA legacy application, or if there are too many of a certain type of error to correct easily manually, follow the appropriate chain of command to escalate the issue. This may include asking the Enterprise VistA Support (EVS) team for assistance.

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- Use the appropriate VistA Patient Funds menu options to make your corrections.
- It is highly recommended that you keep a log of the corrections you make and store the log in your site's Data Migration binder. The log should note what the errors were, who corrected them, and the date corrected.
- Decide how to handle cases where required data is missing. You may decide to replace missing data with a default value. For example: If a date field is missing the day part of the date, provide a default day value such as “01.” Be sure to document your decisions and document any data that you will need if you decide to re-enter any records or data after cutover.
- Repeat the Diagnosis and Data Cleanup process until the Summary Report shows a count of 0 for any actual errors, or until the site data owners have decided that the data is sufficiently clean to migrate even if it still contains errors that will not stop the automated migration process.
- It is recommended that you hold a weekly data cleanup review to share findings with other sites to improve the process and to ensure successful migration for all sites. Sites can work together to:
  - Develop consistent approaches for specific kinds of errors. For example: In the case of missing data in the day field, sites may decide to make the correction the same way, such as entering 1 for a missing day.
  - Share frequently asked questions (FAQs).
  - Recommend modifications to diagnostic routines.

## Appendix A. Migration Business Rules

The table in this appendix is intended for users who are ready to attempt to migrate their data to the reengineered environment. It lists the minimum requirements that each data element must meet in order for a record to be migrated to the new database.

Unless otherwise stated, blank values are allowed.

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**Note:** The diagnostic routine that you run via the new menu option Database Diagnostic Report [PRPF DATA DIAGNOSTIC REPORT] and in VistAMigrate will identify invalid or missing data. Data not meeting the Minimum Requirements to Migrate in the table below needs to be corrected because records not meeting these requirements will *not* be migrated to VPFS. Errors that violate the rules imposed by the FileMan data dictionary's input transform could cause the migration process to fail, so it is especially important to correct them.

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### Migration Business Rules

Table A-1. Migration Business Rules

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
1	470	NAME, #.01	Patient name cannot be blank.	Patient name cannot be blank.	Pointer to File 2
2	470	NAME, #.01	Patient name cannot contain values other than alpha characters, one comma, apostrophe, and space after first name. Must be 3-30 characters,	Patient name must be 3-30 characters.	Some names being migrated will contain data that is considered invalid now (special characters) but was valid in the past. Pointer to File 2
3	470	SSN, #50	SSN cannot be blank.	SSN cannot be blank.	Computed from File 2, #.09
4	470	SSN, #50	SSN must be 9 digits.	SSN must be 9 digits or 9 digits followed by a 'P' to allow for pseudo-SSN.	Allow 'P' as an optional 10 <sup>th</sup> character for pseudo-SSN. Computed from File 2, #.09

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
5	470	SSN, #50	SSN cannot be a duplicate.	SSN cannot be a duplicate at <i>any</i> station.	Computed from File 2, #.09
6	470	SSN, #50	SSN contains pseudo SSN value.	Not an error; pseudo-SSN values are allowed.	Computed from File 2, #.09
7	470	DOB, #51	DOB cannot be blank.	DOB cannot be blank.	Computed from File 2, #.03
8	470	DOB, #51	DOB must be a valid VistA date.	DOB must be 7 digits, in VistA date format. Imprecise dates will be defaulted to the first of the month or year during migration.	Imprecise dates having a '00' for the month and/or day will be defaulted to '01'. Computed from File 2, #.03
9	470	WARD, #52	Ward must be 2-30 characters.	Ward must be 2-30 characters.	Computed from File 2, #.1
10	470	CLAIM NUMBER, #53	Claim Number must be 'SS' or 7-9 digits.	Claim Number must be 'SS' or 7-9 digits.	Computed from File 2, #.313
11	470	ZIP CODE, #59	ZIP Code must be 5 digits.	Not migrated.	Computed from File 2, #.116
12	470	REGIONAL OFFICE, #8	NA	Not migrated.	
13	2	INTEGRATION CONTROL NUMBER (ICN), #991.01	ICN cannot be a duplicate.	ICN cannot be duplicate at <i>any</i> station.	
14	2	ICN, #991.01	ICN must be at least 1 character.	ICN must be 1-10 digits, optionally followed by a 'V' and a 6 digit checksum. An additional 6 digit prefix and 6 digit suffix are allowed for future use.	Allows current ICN format (10V6), with or without the checksum, and future ICN format (16V12). Note: This will not effect migration and does not need to be corrected.

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
15	470	PROVIDER AUTH RESTRICT, #10.7	Provider Name cannot contain values other than alpha characters, one comma, apostrophe, and space. (Must meet VistA standard naming requirements.)	Provider Name must be 3-30 characters.	M Diagnostic Summary: item only validates name if present. This field can be blank. It is not associated with item #20 and will not increment the report counter if an error is registered on item #20. Pointer to File 200 source.
16	470	DATE OF CURRENT RESTRICTION, #10.5	Date of Current Restriction must be a valid VistA date.	Date of Current Restriction must be 7 digits in VistA date format. Imprecise dates are not allowed. Cannot be blank if patient type is restricted (R) or limited unrestricted (L).	Month or day cannot be 00.
17		Demographic record	Missing demographic record for account. Record must be present.	Demographic record must exist for account.	
18	470	ACCOUNT STATUS, #1	Account Status must be A, I or blank.	Account Status must be A, I, or blank. Blanks will be defaulted to A during migration.	A nightly update process will set active/inactive: if zero balance & no transactions for 30+ days, set to I. The number of blank entries will be displayed in the M Diagnostic Summary and Analyze Report.
19	470	PATIENT TYPE, #2	Patient Type must be L, R, U, X or blank.	Patient Type must be L, R, U, X, or blank. Blanks will be defaulted to U during migration.	The number of blank entries will be displayed in the M Diagnostic Summary and Analyze Report.
20	470	PROVIDER AUTH RESTRICT, #10.7	Provider Name cannot be blank if the Patient Type is restricted or limited unrestricted.	Provider Name cannot be blank if the Patient Type is restricted (R) or limited unrestricted (L).	

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
21	470	PATIENT STATUS, #3	Patient Status must be A, R, C, N, X or blank.	Patient Status must be A, R, C, N, X, or blank. Blanks will be defaulted to X during migration.	The number of blank entries will be displayed in the M Diagnostic Summary and Analyze Report.
22	470	INDIGENT, #4	Indigent indicator must be Y, N or blank.	Indigent must be Y, N, or blank. Blanks will be defaulted to N during migration.	The number of blank entries will be displayed in the M Diagnostic Summary and Analyze Report.
23	470	APPORTIONEE \$, #5	Apportioneer \$ cannot be less than 0 or greater than 99,999.00.	Apportioneer \$ must be a number greater than or equal to 0, or blank. A warning will be displayed if value is greater than 99,999.	Populates income source type and amount during conversion.
24	470	GUARDIAN \$, #6	Guardian \$ cannot be less than 0 or greater than 99,999.00.	Guardian \$ must be a number greater than or equal to 0, or blank. A warning will be displayed if value is greater than 99,999.	Populates income source type and amount during conversion.
25	470	INSTITUTION AWARD, #7	Institutional Award \$ cannot be less than 0 or greater than 99,999.00.	Institutional Award \$ must be a number greater than or equal to 0, or blank. A warning will be displayed if value is greater than 99,999.	Populates income source type and amount during conversion.
26	470	OTHER ASSETS, #9	Other Assets \$ cannot be less than 0 or greater than 99,999.00.	Other Assets \$ must be a number greater than or equal to 0, or blank. A warning will be displayed if value is greater than 99,999.	Populates income source type and amount during conversion.

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
27	470	STORED BALANCE, #14	Stored Balance cannot be less than 0 or greater than 99,999.	<p>Stored Balance must be a number must be a number greater than or equal to 0, or blank. If blank, will default to 0.</p> <p>A warning will be displayed if value is greater than 99,999.</p> <p>Must equal sum of Stored Private Source Balance and Gratuitous Source Balance.</p>	Blank value will default to 0.
28	470	STORED PRIVATE SOURCE, #15	Stored Private Source Balance cannot be less than 0 or greater than 99,999.	<p>Stored Private Source Balance must be a number greater than or equal to 0, or blank. If blank, will default to 0.</p> <p>A warning will be displayed if value is greater than 99,999.</p>	Blank value will default to 0.
29	470	STORED GRATUITOUS, #16	Stored Gratuitous Balance cannot be less than 0 or greater than 99,999.	<p>Stored Gratuitous Balance must be a number greater than or equal to 0, or blank. If blank, will default to 0.</p> <p>A warning will be displayed if value is greater than 99,999.</p>	Blank value will default to 0.
30	470	AMOUNT RESTRICTED PER MONTH, #17	Amount Restricted / Month cannot be less than 0 or greater than 99,999.	Amount Restricted / Month must be a number between 0 and 99,999.	Blank value means no restriction limit.
31	470	AMOUNT RESTRICTED PER WEEK, #18	Amount Restricted / Week cannot be less than 0 or greater than 99,999.	Amount Restricted / Week must be a number between 0 and 99,999.	Blank value means no restriction limit.
32	470	AMOUNT RESTRICTED PER MONTH / WEEK, #17, 18	Restricted Monthly Amount cannot be less than 5 times the Weekly Amount.	Display a warning if the Restricted Monthly Amount is less than 5 times the Weekly Amount.	

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
33	470	AMOUNT RESTRICTED PER MONTH / WEEK, #17, 18	Restricted Monthly Amount cannot be less than the Weekly Amount.	Restricted Monthly Amount cannot be less than the Weekly Amount.	
	470	MONTHLY RESTRICTION BALANCE 1, #21	NA	Monthly Restricted Balance cannot be less than 0 or greater than 99,999.	Not checked in M Diagnostic.
	470	WEEKLY RESTRICTION BALANCE 1, #22	NA	Weekly Restricted Balance cannot be less than 0 or greater than 99,999.	Not checked in M Diagnostic.
34	470	MINIMUM BALANCE #1;#23	Minimum Balance cannot be less than 0 or greater than 99,999.	Minimum Balance must be a number greater than or equal to 0, or blank. A warning will be displayed if value is greater than 99,999.	Blank value means no minimum balance.
35	470	MAXIMUM BALANCE #1, #24	Maximum Balance cannot be less than 0 or greater than 99,999	Maximum Balance must be a number greater than or equal to 0, or blank. A warning will be displayed if value is greater than 99,999.	Blank value means no maximum balance.
36	470	Balance record	Missing balance record for account. Record must be present.	Balance record must exist for account.	
37	470	PAYEE, #1 of SubFile INCOME SOURCE #470.05	Income source Payee cannot be blank.	Income source Payee cannot be blank.	
38	470	AMOUNT, #2 of SubFile INCOME SOURCE, #470.05	Income source Amount cannot be blank.	Income source Amount cannot be blank.	
39	470	AMOUNT, #2 of SubFile INCOME SOURCE, #470.05	Income Amount cannot be less than 1 or greater than 99,999.00.	Income Amount must be a number greater than or equal to 0. A warning will be displayed if value	PFOP does not allow values less than 1, but checks for values less than 1 are

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
				is greater than 99,999.	possible.
40	470	FREQUENCY, #3 of SubFile INCOME SOURCE, #470.05	Income source Frequency must be D, W, M, Y, X, V, O or blank.	Income source Frequency must be D, W, M, Y, X, V, O or blank.	M Diagnostic Summary: The number of blank entries will be displayed in the summary.
41	470	STATION NAME, #73	Station ID cannot be blank or unassigned.	Station ID must be a valid station ID*.	* If blank, parent station ID will be inserted as the default station ID during migration. M Diagnostic: Although the Summary Report does count these errors, they are not displayed in the Detail Report to save space. Pointer to File 4.
42	470	STATION NAME, #73	Station ID must be valid. (Must exist in File 4, Institution table.)	Station ID must be a valid station ID*. Station ID must be the division ID being migrated or a child of that station. (Must exist in the SDS Institution table.)	* If blank, parent station ID will be inserted as the default station ID during extraction. Pointer to File 4.
	470	GENERAL INFORMATION/REMARKS, #34	NA	General Remarks cannot be more than 2000 characters.	Not checked by M Diagnostic A Description that is too long will be truncated to 2000 characters during migration.
	470	SPECIAL REMARKS, #35	NA	Special Remarks cannot be more than 2000 characters.	Not checked by M Diagnostic A Description that is too long will be truncated to 2000 characters during migration.

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
43	470	SUSPENSE DATE, #.01 of SubFile SUSPENSE DATE, #32	Suspense Date must be a valid VistA date.	Suspense Date must be 7 digits in VistA date format. Imprecise dates are not allowed. Cannot be blank.	Detail report contains two types of errors reported: 43.1 - Suspense date is blank 43.2 - Suspense date is not valid
44	470	ITEM ID, #.01 of SubFile ID, #470.04, of SubFile SUSPENSE DATE, #32	Suspense ID cannot be blank or more than 40 characters.	Suspense ID cannot be blank or more then 50 characters.	Detail report contains two types of errors reported: 44.1 - Suspense ID is blank 44.2 - Suspense ID < 1 or > 40 characters
45	470	FULL DESCRIPTION, #1, of SubFile ID, #470.04, of SubFile SUSPENSE DATE, #32	Suspense Text cannot be blank or more than 255 characters.	Suspense Text cannot be blank or more than 255 characters.	Detail report contains two types of errors reported: 45.1 - Suspense description is blank 45.2 - Suspense description < 1 or > 255 characters Maximum length cannot be verified in the Analyze Report. A Description that is too long will be truncated to 255 characters during migration.
		Invalid suspense item	NA	Cannot have a Suspense Item record (S2) without a corresponding Suspense Date record (S1).	Not checked by M Diagnostic. Verify the integrity of the suspense records in the extraction file.
46	470	DEFERRED CREDIT REF #, #31	Display a count of the deferred transactions.	NA	M Diagnostic Summary: Shows count of deferred transactions. Is not an error and does not display in the Detail Report.

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
47	470.1	Transaction record	Missing transaction record or record is blank. Record must be present. Deferred Credit Reference Number must match the Transaction ID.	NA	See comment below:
<p>47 - Comment</p> <p>Master Transaction IDs should always be the same as the Deferred Credit Reference Number with an 'M' appended to the end. The 'M' is stripped off when doing this check.</p> <p>Important Note: If you find that there are deferred transactions that have Master Transaction IDs (.01 field of file 470.1) that do not match the Deferred Credit Reference number (the .01 field of an entry in file 470 field 31, which is also the IEN of file 470.1) this indicates:</p> <ol style="list-style-type: none"> <li>1. The Master transaction counter in file 470.3 is out of sync. This must be corrected or the counter will continue to be incorrect for all future transactions in Patient Funds. Each site has the following two options for resolving this matter: <ol style="list-style-type: none"> <li>a. Correct the transaction counter by contacting IRM to register a Remedy ticket. This is recommended so transactions will be in sync for future transactions.</li> <li>b. Leave the transaction counter out of sync. This option is not recommended but is acceptable. If transactions are not corrected, transactions will be out of sync in VistA but will have no negative effect on VPFS data or the Patient Funds migration.</li> </ol> </li> <li>2. Master Transaction IDs do not match the Deferred Credit Reference Numbers. Each site has the following three options for resolving this matter: <ol style="list-style-type: none"> <li>a. Let the deferred transaction clear or move up the deferred date so the transaction will clear sooner.</li> <li>b. Correct the transactions that do not have a matching Master Transaction ID by contacting IRM to register a Remedy ticket. This is recommended so transactions in the past will be in sync.</li> <li>c. Leave the transactions that do not have matching Master Transaction IDs unchanged. This option is not recommended but is acceptable. If transactions are not corrected transactions will be out of sync in VistA but this will have no negative effect on VPFS data or the Patient Funds migration.</li> </ol> </li> </ol>					
48	470.1	PATIENT NAME, #1	Patient name must match the deferred transaction name.	NA	Pointer to PATIENT FUNDS FILE, #470 which is a pointer to PATIENT FILE, #2
49	470.1	TRANSACTION ID, #.01	Transaction ID cannot be blank. Transaction ID must match the transaction ID for the patient account.	NA	

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
50	470.1	AMOUNT, #3	Transaction Amount cannot be blank, less than .01 or greater than 99,999.	Transaction Amount must be a number between 0 and 99,999 and cannot be blank. Must equal sum of Private Source Amount and Gratuitous Source Amount.	
	470	LAST TRANSACTION DATE, #	NA	Last Transaction Date must be 7 digits, in VistA date format. Imprecise dates are not allowed.	Not checked in M Diagnostic.
	470.1	DEFERRAL DATE, #19	NA	Deferral Date must be 7 digits, in VistA date format and cannot be blank. Imprecise dates are not allowed.	Not checked in M Diagnostic.
51	470.1	TRANSACTION DATE, #4	Transaction Date must be a valid VistA date and cannot be blank.	Transaction Date must be 7 digits, in VistA date format and cannot be blank. Imprecise dates are not allowed.	
52	470.1	DATE TRANSACTION ENTERED, #5	Transaction Entered Date must be a valid VistA date and cannot be blank.	Transaction Entered Date must be 7 digits, in VistA date format and cannot be blank. Imprecise dates are not allowed.	
53	470.1	REFERENCE, #6	Reference must be 1-10 characters and cannot be blank.	Reference must be 1-10 characters and cannot be blank.	
54	470.1	DEPOSIT/WITHDRAWAL, #7	Deposit/Withdrawal field must be D or W and cannot be blank.	Deposit/Withdrawal field must be D or W and cannot be blank.	
55	470.1	CASH/CHECK/OTHER, #8	Cash/Check/Other field must be 1, 2, or 3 and cannot be blank.	Cash/Check/Other field must be 1, 2, or 3 and cannot be blank.	
56	470.1	SOURCE, #9	Transaction Income Source must be P, G, or B and cannot be blank.	Transaction Income Source must be P, G, or B and cannot be blank.	
57	470.1	FORM, #10	Form cannot be blank and must be a value in the standard Form list	Form cannot be blank.	Form is a pointer to File 470.2.

ID	File	Field	PFOP / M Diagnostic Business Rule	VPFS Business Rule (Minimum Requirements to Migrate)	Comment
			(user-maintained, in table).	Display warning if Form value is not in the standard Form list in VPFS.	
58	470.1	PRIVATE SOURCE AMT, #11	Private Source Amount cannot be less than .01 or greater than 99,999, but can be blank.	Private Source Amount must be between 0 and 99,999. Either the Private or Gratuitous Amount must <i>not</i> be blank.	
59	470.1	GRATUITOUS AMOUNT, #12	Gratuitous Source Amount cannot be less than .01 or greater than 99,999, but can be blank.	Gratuitous Amount must be between 0 and 99,999. Either Private or Gratuitous Amount must <i>not</i> be blank.	
60	470.1	PATIENT FUNDS CLERK, #13	Patient Funds Clerk cannot be blank and must exist in File 200.	Patient Funds Clerk must be 3-35 characters and cannot be blank.	Pointer to NEW PERSON FILE, #200

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# Appendix B. Diagnostic Report Samples

This appendix contains sample portions of the reports, logs, and error files produced by the routines that you perform while moving through the data migration process in VistAMigrate.

## Diagnostic Summary Report

This report is accessed in both of the following ways:

- **In the VistA legacy application:** Select the function Database Diagnostic Report.
- **In VistAMigrate:** Select step 2 M Diagnostics

The Diagnostic Summary Report lists the number of occurrences for each type of error, and also lists how many deferred transactions are to be migrated (this is not an error). The following table lists descriptions of the information in the fields on the Diagnostic Summary Report.

**Table B-1. Description of Diagnostic Summary Report**

Field	Description
<b>Error #</b>	Code assigned to the error type.
<b>Field Name</b>	Name of the field where the error occurred.
<b>Error Description</b>	Description of the error.
<b>Total Count</b>	Number of occurrences of the specific type of error.
<b>Total Accounts processed =</b>	Total number of patient records processed by the M diagnostics routine.

```

*****
**      Patient Funds Diagnostic Summary      (version 5.9)      **
*****
Run Date: FEB 13, 2006  Run Time: 14:18:12      **
Total accounts processed = 27      **
Total balance of accounts for migration = $202,152.00      **
*****
Err#   Field      Error      Total
#      Name      Description  Count
*****
#1     NAME      Name is blank      1
#2     NAME      Name contains invalid data      1
#3     SSN       SSN is blank      0
#4     SSN       SSN contains invalid data      0
#5     SSN       SSN contains duplicate value      1
#6     SSN       SSN contains Pseudo SSN value      2
#7     DOB       DOB is blank      0
#8     DOB       DOB contains invalid date      1
#9     WARD      Ward loc invalid length      1
#10    CLAIM     Claim # contains invalid data      0
#11    ZIP       Zipcode contains invalid data      0
#12    REGION OFFICE  Regional Office ID invalid data      0

```

## Appendix B. Diagnostic Report Samples

#13	ICN	ICN Duplicate	2
#14	ICN	ICN unassigned or invalid	1
#15	PROVIDER AUTHR	Provider Name contains invalid data	0
*#16	PROVID AUTH DT	Date of current restriction invalid date	0
*#17	NO DEMO RECORD	No demographic record for account	0
*#18	ACCOUNT STATUS	Account status not (A),I,Blank=1	0
*#19	PATIENT TYPE	Patient type not L,R,(U),X,Blank=3	1
*#20	PAT TYPE/PHY	Patient type L or R without Phy name	9
*#21	PATIENT STATUS	Patient Status not A,R,C,N,(X),Blank=3	0
*#22	INDIGENT	Indigent status not (N),Y,Blank=4	1
*#23	APPORTIONEER \$	Apportioneer amount invalid or < \$0 or > \$99,999	0
*#24	GUARDIAN \$	Guardian amount invalid or < \$0 or > \$99,999	0
*#25	INSTITUT AWARD	Institut award invalid or < \$0 or > \$99,999	0
*#26	OTHER ASSETS	Other assets invalid or < \$0 or > \$99,999	0
*#27	STORED BALANCE	Stored balance invalid or < \$0 or > \$99,999	6
*#28	STORED PRIVATE	Stored private invalid or < \$0 or > \$99,999	0
*#29	STORED GRATUIT	Stored gratuitous invalid or < \$0 or > \$99,999	4
*#30	RESTRCT MONTH	Restricted Monthly invalid or < \$0 or > \$99,999	0
*#31	RESTRCT WEEKLY	Restricted Weekly invalid or < \$0 or > \$99,999	0
*#32	RESTRCT AMT ER	Restrict Mnthly amount < (5X) weekly amt	4
*#33	RESTRCT AMT ER	Restrict Mnthly amount < weekly amt	1
*#34	MINIMUM BAL	Minimum balance #1 invalid or < \$0 or > \$99,999	0
*#35	MAXIMUM BAL	Maximum balance #1 invalid or < \$0 or > \$99,999	0
*#36	NO BALANCE REC	Balance record missing for account	2
*#37	INCOME PAYEE	Income payee blank, Income source present	2
*#38	INCOME AMOUNT	Income amount error, Income source present	4
*#39	INCOME AMOUNT	Income amount < \$1 or > \$99,999	1
*#40	INCOME FREQCY	Income frequency not D,W,M,Y,X,V,O,Blank=4	0
*#41	STATION ID	Station ID blank or unassigned	9
#42	STATION ID	Station ID invalid	1
*#43	SUSPENSE DATE	Suspense date has invalid date	3
*#44	SUSPENSE ID	Suspense ID has Invalid data	4
*#45	SUSPENSE TEXT	Suspense text is < 1 or > 255 characters	6
*#46	DEFERRED TRANS	There are 6 deferred transactions	6
*#47	TRANSACTION REC	Transaction record missing, blank or ID invalid	1
*#48	PATIENT NAME	Patient name does not match deferred trans	0
*#49	PATIENT TRANS #	Patient transaction # invalid	0
*#50	DEFR AMOUNT	Deferred amount invalid	2
*#51	TRANSACTN DATE	Transaction date Invalid	1
*#52	DT TRAN ENTD	Date transaction entered Invalid	0
*#53	REFERENCE	Reference Invalid < 1 or > 10 in length	0
*#54	DEPOSIT/WTHDRWL	Deposit/Withdrawal status Invalid	0
*#55	CASH/CHECK/OTR	Cash/Check/Other status Invalid	1
*#56	SOURCE	Transaction source invalid	1
*#57	FORM	Form does not match	2

```

*#58    PRVT SOURCE AMT Private source amount invalid or < 0 or > 99999 0
*#59    GRATUITOUS AMT  Gratuitous amount invalid or < 0 or > 99999    3
*#60    PFUNDS CLERK    PFunds clerk invalid                          6
*****

```

NOTE: In addition to the summary report there is an available detail report, this report can be sent to any device or flat file if required.

>>>> The detail diagnostic report will contain 83 lines.

If you still desire the detail report, then please input the name of the device that the report will be sent to.

If the detail report is not desired then input "^" at the device prompt and the detail report will not print.

DEVICE:

## Detail Report

The Detail report provides detail of each record in the Diagnostic Summary Report that contains an error. Use this information to diagnose the problem and locate the record containing the error so that you can correct it. The following is a sample portion of the M Diagnostic Detail report.

**Important Note:** Each detail record has the Patient name (if one exists) included in each detail record as well as the Patient data file number (DFN) to “aid” in identifying exactly which Patient specifically is being reported on. If the Patient name is not available, then in that situation the SSN is displayed as well to aid in specifically identifying what Patient is being reported on. IRM can be contacted and provided the DFN and they will be able to help specifically identify any Patient name that might have duplicates, for example, more than one John Smith appearing in the detail report.

```

STATION ID=16541^ERR#=20^NAME=VPFSPATIENT,ONE_7170957^DESC=No Physician name for L or R^VALUE=>R<
STATION ID=16541^ERR#=33^NAME= VPFSPATIENT,ONE_7170957^DESC=Restrict Mnthly amount <weeklyamt^VALUE=>5<
STATION ID=16541^ERR#=51^NAME= VPFSPATIENT,ONE_7170957_DefTrans#2^DESC=Transaction date Invalid^VALUE=><
STATION ID=ERRBADID1^ERR#=42^NAME= VPFSPATIENT,TWO_7169949^DESC=STATION ID INVALID^VALUE=>ERRBADID1<REDAC

```