

1.1.1 Use Case – 1040.06 – Receive BH Registry Data from PIHP

Description:	This use case describes the process for CHAMPS to receive the BH Eligibility Data File from Plans
Actors:	System Clock
Triggers:	Check for file every 10 minutes each day from 6am until 6pm.
Pre-Conditions:	N/A
Post-Conditions:	Valid data is loaded into CHAMPS, or appropriate logging occurs.
Special Considerations:	Fixed length flat file is expected from multiple PIHPs. The errors/warning from this interface will be sent to PIHPs in [1041.06 - Send BH Eligibility errors to PIHP]

Main Flow		
Step	Actor Does	System Does
1		The System ensures that all prerequisite interfaces have completed [ipr pre-req].
2		The System polls receiving directory [fl remote_location] for file [fn file_name]
3		The System validates header and trailer records [rc rc1040.06-hddr] and [rc rc1040.06-trlr] to ensure proper file and record counts.
4		The System parses record in file according to record format [rc rc1040.06].
5		The System validates and loads record into CHAMPS according to business rule set [brs brs1040.06].
6		The System repeats Steps 4 and 5 until all records have been processed.
7		The System appends unique identifier to filename and moves file to completed directory [fl completed_location]
8		The System sends confirmation email to [em email].
9		The System updates scheduler table records, audit and error tables as appropriate.

Use Case ends.

Alternative Flow Name:		Prerequisite interfaces not complete
Conditions:		At Step 1 of the Main Flow, all required prerequisite interfaces have not completed successfully.
Step	Actor Does	System Does
1		The System verifies that this is not the last run in the scheduled processing window.
Return to or Invoke:		Step 8 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		File not available
Conditions:		The file is not available at step 2 of Main Flow
Step	Actor Does	System Does
1		The System verifies that this is not the last run in the scheduled processing window.

Return to or Invoke:	Step 9 of the Main Flow
Post-Condition:	N/A

Alternative Flow Name:		File not available within specified time frame
Conditions:		In Step 1 of Alternate Flow "File not available" or Alternate Flow "Prerequisite interfaces not complete", this is the last run in the scheduled processing window.
Step	Actor Does	System Does
1		The System sends error email to [em email] with error message [er FILE NOT FOUND]
Return to or Invoke:		Step 9 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Invalid Submitter ID at Header
Conditions:		In Step 5 of the Main Flow the record being loaded has an Invalid Submitter ID.
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er INVALID SUBMITTER ID_HEADER]
2		The System rejects the whole file
Return to or Invoke:		Step 7 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Record cannot be parsed
Conditions:		Record cannot be successfully parsed at step 3 of Main Flow
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er INVALID RECORD LENGTH]
2		The System skips record, goes on to next record in file
Return to or Invoke:		Step 4 of Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Required Element Missing
Conditions:		In Step 5 of the Main Flow the record cannot be loaded into CHAMPS due to one or more required data elements missing.
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er REQUIRED VALUE NOT PRESENT]
2		The System skips record, goes on to next record in file.
Return to or Invoke:		Step 4 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Unexpected Values
Conditions:		In Step 5 of the Main Flow the record cannot be loaded into CHAMPS due to data validation.
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er UNEXPECTED VALUE]
2		The System skips record, goes on to next record in file.
Return to or Invoke:		Step 4 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Invalid Submitter ID at Record
Conditions:		In Step 5 of the Main Flow the record being loaded has an Invalid Submitter ID.
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er INVALID SUBMITTER ID_RECORD]
2		The System skips record, goes on to next record in file.
Return to or Invoke:		Step 4 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Invalid Medicaid ID
Conditions:		In Step 5 of the Main Flow the record being loaded has an Invalid Medicaid.
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er INVALID MEDICAID ID]
2		The System loads the record, goes on to next record in file.
Return to or Invoke:		Step 4 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Invalid MIChild ID
Conditions:		In Step 5 of the Main Flow the record being loaded has an Invalid MIChild ID.
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er INVALID MICHILD ID]
2		The System loads the record, goes on to next record in file.
Return to or Invoke:		Step 4 of the Main Flow
Post-Condition:		N/A

Alternative Flow Name:		Invalid Begin Date
Conditions:		In Step 5 of the Main Flow the record being loaded has a Begin Date which is after the system date.
Step	Actor Does	System Does
1		The System writes appropriate information to error log [er INVALID BEGIN DATE]
2		The System skips record, goes on to next record in file.
Return to or Invoke:		Step 4 of the Main Flow
Post-Condition:		N/A

1.1.1.1 Special Design Constraints or Considerations

- BATCH-IDENTIFIER received in header and the actual record number should be sent in the 1041.06 while reporting the errors/warnings.

1.1.1.2 Record Format

1.1.1.2.1 Header Record

Record Format: rc1040.06-hdr										
Element Number	Data Element Name	Picture	Usage	Format	From	To	Validated	Required	Definition	
1	EDI-TYPE	X(4)	4		1	4	Yes	Yes	"HDDR"	

Record Format: rc1040.06-hddr									
Element Number	Data Element Name	Picture	Usage	Format	From	To	Validated	Required	Definition
2	EDI-APP	X(2)	2		5	6	No	Yes	"MA"
3	EDI-USER	X(4)	4		7	10	No	Yes	"MMIS"
4	EDI-SUBMITTER	X(4)	4		11	14	Yes	Yes	Submitter ID:"XXXX"
5	EDI-DATE	X(8)	8	YYYYMMDD	15	22	Yes – valid calendar date	Yes	Current Date
6	EDI-TRANSFER-DATE	X(8)	8	YYYYMMDD	23	30	Yes – valid calendar date	Yes	Current Date
7	EDI- BATCH-IDENTIFIER	X(4)	4		31	34	Yes	Yes	Unique batch identifier assigned by PIHP
8	EDI-FILE-NUMBER	X(4)	4		35	38	Yes	Yes	5867
9	EDI-RUN-TYPE	X(4)	4		39	42	Yes	Yes	"PROD" – Production "TEST" – Test

1.1.1.2.2 Data Record

Record Format: rc1041.06									
Element #	Data Element Name	Picture	Usage	Format	From	To	Validated	Required	Definition
1	Submitter ID	Char(4)	4		1	4	Yes	Yes	Service Bureau ID (DEG Mailbox ID)
2	Consumer ID	Char(11)	11		5	15	No	Yes	Unique Consumer ID
3	Medicaid ID	Char(10)	10		16	25	Yes	Conditional	Must present on file if available.
4	MICChild ID	Char(10)	10		26	35	Yes	Conditional	MICHILD ID [CIN] Must present on file if available.

Comment [PP1]: Should refer Appendix-Value provided by SAM

Record Format: rc1041.06									
Element #	Data Element Name	Picture	Usage	Format	From	To	Validated	Required	Definition
5	Begin Date	Date	8	YYYYMMDD	36	43	Yes	Yes	

1.1.1.2.3 Trailer Record

Record Format: rc1040.06-trlr									
Element Number	Data Element Name	Picture	Usage	Format	From	To	Validated	Required	Definition
1	EDI-TYPE	X(4)	4		1	4	Yes	Yes	"TRLR"
2	EDI-APP	X(2)	2		5	6	No	Yes	"MA"
3	EDI-USER	X(4)	4		7	10	No	Yes	"MMIS"
4	EDI-SUBMITTER	X(4)	4		11	14	Yes	Yes	Submitter ID"XXX"
5	EDI-DATE	X(8)	8	CCYYMMDD	15	22	Yes – valid calendar date	Yes	Current Date
6	EDI-TRANSFER-DATE	X(8)	8	CCYYMMDD	23	30	Yes – valid calendar date	Yes	Current Date
7	EDI- BATCH-IDENTIFIER	X(4)	4		31	34	Yes	Yes	Unique batch identifier assigned by PIHP
8	EDI-FILE-NUMBER	X(4)	4		35	38	Yes	Yes	5867
9	EDI-RUN-TYPE	X(4)	4		39	42	Yes	Yes	"PROD" – Production "TEST" – Test
10	EDI-RECORD-COUNT	9(10)	10		43	52	Yes	Yes	Count of all Data records + 2

1.1.1.3 Business Rules

Business Rule Set: brs1040.06	
Rule #	Rule Description
1	# of Allowed Errors: Unlimited. All errors should be reported back to plans via [1041.06 - Send BH Eligibility errors to PIHP].
2	Medicaid ID sent in the file should be validated in CHAMPS. If the Medicaid ID sent is invalid or not sent in the file, then load the record and send a warning in 1041.06.
3	MICchild ID sent in the file should be validated in CHAMPS. If the MICchild ID sent is invalid or not sent in the file, then load the record and send a warning in 1041.06.

Business Rule Set: brs1040.06	
Rule #	Rule Description
4	Validate the Submitter ID at the header. If the header submitter ID is invalid then fail the batch. Add error record to the
5	Validate the Submitter ID at the data record. If the header submitter ID is invalid then fail the batch. Add error record to the
6	Begin Date must be on or before the current date.
7	<p>Attempt to match the record to an existing record with combination of submitter id and consumer id in CHAMPS:</p> <p>Match Found:</p> <p><u>If begin date on inbound record is equal to begin date from Matched record:</u></p> <p>If any difference exist :</p> <p>i) In Medicaid ID: inactivate existing Medicaid ID of matching record within CHAMPS. Create a new record with the Medicaid ID on file.</p> <p>ii) In MICHild ID: inactivate existing MICHild ID of matching record within CHAMPS. Create a new record with the MICHild ID on file.</p> <p>No differences: ignore record, no changes to CHAMPS</p> <p><u>If begin date on inbound record is prior to the matched record(s) from CHAMPS:</u></p> <p>Inactivate existing record(s), create new record with values from inbound record.</p> <p><u>If begin date on inbound record is after existing begin date from Matched record:</u></p> <p>End date the current records with the begin date [from matched record] -1 and create new record in CHAMPS for the matched record.</p> <p>No Match:</p> <p>Create new record in CHAMPS using values from inbound record.</p>

1.1.1.4 Error Messages

CODE	Name	Error Messages
1	FILE NOT FOUND	The expected file was not found.
2	INVALID RECORD LENGTH	The record length of the inbound interface does not match expected record length.
13	EMPTY FILE	This error occurs if there is no data in the file
14	HEADER/TRAILER RECORD COUNTS	This Error Occurs when there is a mismatch in Header/Trailer Records with the Data Files.
17	INVALID FILE NUMBER	This error occur if the file number in Header/Trailer does not match with the Master File Number
19	UNEXPECTED VALUE	Data value within data element [de interface_element] is not contained in

CODE	Name	Error Messages
		expected values.
22	REQUIRED VALUE NOT PRESENT	The data value within data element [de interface_element] is NULL
320	INVALID_MEDICAID_ID	**WARNING** Invalid Medicaid ID/Medicaid ID not present in the file
321	INVALID_MICHILD_ID	**WARNING** Invalid MICHild ID/ MICHild ID not present in the file
322	INVALID_SUBMITTER_ID_HEADER	Invalid Submitter ID at header, file rejected.
323	INVALID_SUBMITTER_ID_RECORD	Invalid Submitter ID at record.
324	INVALID_BEGIN_DATE	Begin date is after the current date.