**1 March 2019**

CDR Pathology

for the

MHS Data Repository (MDR)

(Version 1.02.00)

Current Specification

Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Version | Date | Originator | Para/Tbl/Fig | Description of Change |
| 1.00.00 | 08/20/2012 | C. Kangas |  | Baseline |
| 1.01.00 | 12/13/2018 | N. Bowling | Table 5 | Adjusted for NDAA-related changes in the LVM. |
| 1.02.00 | 3/1/2019 | N. Bowling | Table 5 | Adjusted the logic for the ACV Group to be set to blank for dates on or after 1/1/2019. |

# CDR Pathology

1. Background

This specification describes the process required to create the MDR Pathology tables based on data received from the Clinical Data Repository (CDR). The scope of the anatomical pathology result data coming from the CDR is a subset of MHS direct care lab orders and results. Separate MDR datasets contain lab result data related to Chemistry and Microbiology. The MDR has contained ancillary lab order datasets for many years, generated from extracts received from CHCS. This Pathology SAS dataset represents the first pathology result data available in the MDR.

1. Sources

The source data files used to create the MDR Pathology tables are extracted from the AHLTA/CDR. The transfer of the raw source extracts is handled by DHSS for loading into the MDR for further processing. These raw extract files are listed below:

**Table 1. CDR Sources**

| **CDR Source** | **Data Files** | **Purpose** |
| --- | --- | --- |
| CDR Lab Orders Table | LBORD\*.DAT | Collection of records for direct care Laboratory Orders in raw text form, prepared in accordance with the ICD. |
| CDR Pathology Results Table | LBPTH\*.DAT | Collection of records for direct care Pathology results in raw text form, prepared in accordance with the ICD. |
| CDR Pathology CPT Table | LBCPT\*.DAT | Collection of records for direct care Pathology CPT detail in raw text form, prepared in accordance with the ICD. |

1. Transmission (Format and Frequency)

Source files are provided according to the frequency described in the Table 2. The format of these feeds is described in ICD-1300-6445-01.

**Table 2. Frequency of CDR Source Files**

|  |  |
| --- | --- |
| **Source File** | **Frequency** |
| CDR Laboratory Orders Table | Weekly |
| CDR Pathology Results Table | Weekly |
| CDR Pathology CPT Detail Table | Weekly |

1. Organization and batching

Source Data: The first step in MDR processing is to batch records received from CDR. Raw data batches are stored in MDR\RAW according to routine MDR operating procedures.

Output Products: There are two output products from the Pathology processor: the primary output is the Pathology Results dataset, and the second is a CPT lookup table. Both are described below:

* The Pathology Results table is a single FY level SAS dataset. Each record represents a single result for an anatomical pathology test, in the form of a free-text 4,000 byte character string (the ‘Final Diagnosis’). The lab ordering information is contained on each record as well. The processor performs several external merges and many field derivations, and must also apply updates to records across extract cycles. The processor needs to be run once for each FY to be processed. The processor merges in the first 4 CPT codes available from the CPT lookup table (described below) for a given pathology result record.
* The Pathology CPT lookup table is a single SAS dataset that is not at the FY level, but contains CPT information for all Pathology results for all-time. This is provided to MDR users who want to perform analysis on the procedures related to the pathology result event, particularly when there are more than 4 CPTs for the event. The main Pathology Results dataset physically stores the first 4 CPT values, however there can be instances when more than 4 CPT procedures were performed. This lookup table can store an unlimited number of CPT procedures for a single event, although the current largest number of CPT records for a given result event seen in the data is 12. The key field that can be used to join the CPT lookup table to the main Pathology Results table is the PATH\_EVENT\_ID.

The pathology table is processed weekly, and past fiscal years are processed on a less frequent basis (See Section VIII for refresh frequency). Table 3 contains the location and name of the output products. The preparation of them is described in subsequent sections of this document.

**Table 3: MDR Pathology Processor Output Products**

|  |  |  |
| --- | --- | --- |
| **Pathology Processor Output** | **File Naming Convention** | **Member Name** |
| MDR Pathology File | /mdr/pub/cdr/path/ | fy<yy>.sas7bdat |
| MDR Pathology CPT File | /mdr/pub/cdr/path/ | lbcpt.sas7bdat |

Archival of files is also required, so that corresponding “apub” and other processing files (i.e. log, aprod, etc) are also loaded into the MDR according to routine operating procedures.

1. Receiving Filters
2. The feed files sent to the MDR are tilde (~) delimited files. In the feeds, there are free text fields that occasionally contain tildes within them, which disrupts the normal ingest function and structure of fields in a delimited file. In these cases, the processor reads in the field created by the inadvertent extra delimiter and drops it. For the "good" field that had the extra tilde within it, this method only keeps the content of the field up to the tilde embedded in it; any content after the tilde in that field is dropped.
3. Only raw records with result dates in FY09 or later are kept.
4. Field Transformations and Deletions for MDR
5. The key fields that link the Lab Orders (LBORD\*) feeds to the Pathology Results (LBPTH\*) feeds are the HOST\_FACILITY\_ID and LAB\_ORDER\_ID.
6. The key field that links the Pathology Results (LBPTH\*) feeds to the Pathology CPT table (LBCPT\*) feeds is the EVENT\_ID field.
7. During the extraction of the raw lab order records, de-duplication of records, or anytime a lab order key collision occurs between incoming data and existing master data, the processor de-duplicates data by selecting the largest value of the Feed Date (FEEDDATE) for any given order key (HOSTDMIS + LAB\_ORDER\_ID). If multiple records exist with the same FEEDDATE and order key, the record with the largest ROW\_NUMBER is kept.

The final record that remains for a given order is then kept or deleted based on the ACTION field. For records with an ACTION = “D” (delete), the record is removed from the lab orders dataset. For all other records with an ACTION = “I” (insert) or ACTION = “U” (update), the records are kept in the lab orders dataset.

1. During the extraction of the raw pathology result records, de-duplication of records, or anytime a pathology event key collision occurs between incoming data and existing master data, the processor de-duplicates data by selecting the largest value of the Feed Date (FEEDDATE) for any given event (EVENT\_ID), unless there is a change in STATUS\_ID or FINAL\_DX. If multiple records exist with the same FEEDDATE and event key, the record with the largest ACTION and ROW\_NUMBER is kept. For master records that have a new update record that changes the STATUS\_ID or FINAL\_DX, both records are kept in order to maintain a history of the FINAL\_DX and STATUS changes, since amendments need to be tracked and stored for analytical purposes. In this scenario, the LINE\_NUM field (derived) can be used to differentiate the multiple anatomical pathology result records that represent the same event.
2. During the extraction of the raw pathology CPT table records, de-duplication of records, or anytime a lab event key collision occurs between incoming data and existing master data, the processor de-duplicates data by selecting the largest value of the Feed Date (FEEDDATE) for any given event key (EVENT\_ID + CPT). If multiple records exist with the same FEEDDATE and event key, the record with the largest ROW\_NUMBER is kept.
3. During the processing of pathology result records from the LBPTH feeds, if a record has a null value for FINAL\_DX, the record is deleted.
4. There are several merges and formats required to prepare the MDR Pathology table as described in Table 4.

**Table 4: External File Merges and Formats**

| **Merge** | **Date Matching** | **Additional Matching** |
| --- | --- | --- |
| CDR Patient Table | Most recent CDR Patient Table is used for the Pathology file. | See CDR Patient Specification. |
| MDR Longitudinal VM File | Date Resulted, with begin and end dates for each changeable demographic segment | EDI\_PN (if available). |
| CHCS Host Format | None | Apply the format to host\_facility\_id, which will return HOSTDMIS. |
| 3M HDD | None | Apply HDD-based formats to result\_test\_id to obtain Lab Result Name. |

1. Business rules for each of the derived and appended fields that result from file merges and formats are described in the body of Tables 5 and 6.
2. record layout and content

The MDR Pathology tables are stored as one SAS dataset per fiscal year. The dataset is prepared according to the derivation rules listed in Table 5.

**Table 5. MDR Pathology SAS Data Set**

| **Variable Name** | **SAS Field Name** | **Format** | **Source Feeds** | **Related Source Field** | **Transformation Rule** |
| --- | --- | --- | --- | --- | --- |
| CHCS Host DMIS ID | HOSTDMIS | $4. | LBORD, LBPTH | HOST\_FACILITY\_ID | Derived from application of the CDR Host DMISID format: hostdmis = put(host\_facility\_id,hostdmis.);  See Appendix A for the hostdmis format. |
| Lab Order ID | LAB\_ORDER\_ID | $12. | LBORD, LBPTH | LAB\_ORDER\_ID | No transformation. This field is part of the key (along with HOST\_FACILITY\_ID) to join the LBORD and LBPTH feeds together. |
| Ordering DMISID | DMISID | $4. | LBORD | CLINIC\_ID | Derived from application of the CDR DMISID format: DMISID = put(clinic\_id,cdr\_dmis.); |
| Ordered Test NCID | ORDER\_TEST\_NCID | 8. | LBORD | LAB\_TEST\_ID | No transformation. |
| Result Test NCID | RESULT\_TEST\_NCID | 8. | LBPTH | LAB\_TEST\_ID | No transformation. |
| Pathology Result ID | PATH\_EVENT\_ID | 8. | LBCPT, LBPTH | EVENT\_ID | No transformation. This field is the key field to join the LBPTH and LBCPT feeds together to obtain CPT fields. |
| Line Item Number | LINE\_NUM | 3. | N/A | N/A | Derived as an incremental counter for all records with the same PATH\_EVENT\_ID. |
| Result Test Name (HDD) | RESULT\_NAME\_HDD | $35. | LBPTH | LAB\_TEST\_ID | Derived from application of HDD lab test name format;  RESULT\_NAME\_HDD = put(result\_test\_ncid,lab\_test\_name.) |
| Order Date | DATE\_ORDERED | $8. | LBPTH | DATE\_ORDERED | No transformation. |
| Collect Date | DATE\_COLLECTED | $8. | LBPTH | DATE\_COLLECTED | No transformation. |
| Result Date | DATE\_RESULTED | $8. | LBPTH | DATE\_RESULTED | No transformation. |
| Fiscal Year | FY | $4. | LBPTH | DATE\_RESULTED, DATE\_ORDERED | Fiscal year equivalent of calendar year of DATE\_RESULTED, when DATE\_RESULTED is populated. Otherwise, use DATE\_ORDERED. |
| Fiscal Month | FM | $2. | LBPTH | DATE\_RESULTED, DATE\_ORDERED | Fiscal month equivalent of calendar month of DATE\_RESULTED, when populated. Otherwise, use DATE ORDERED. |
| Diagnosis | FINAL\_DX | $4000. | LBPTH | FINAL\_DX | No transformation. |
| Result Status NCID | STATUS\_ID | 8. | LBPTH | STATUS\_ID | No transformation. |
| Result Status | STATUS | $1. | N/A | STATUS | if status\_id = 114905 then status = 'A';  else if status\_id = 14771907 then status = 'C';  else if status\_id = 14922458 then status = 'F';  else status = 'Z'; |
| Specimen | SPECIMEN | $40. | LBPTH | SPECIMEN | No transformation. |
| Priority | PRIORITY | $1. | LBPTH | PRIORITY | No transformation. |
| Lab Order Grouping ID | GROUP\_ID | 8. | LBORD | GROUP\_ID | No transformation. |
| Pathologist | PATHOLOGIST | $40. | LBPTH | PATHOLOGIST | No transformation. |
| Cytotech | CYTOTECH | $40. | LBPTH | CYTOTECH | No transformation. |
| CPT/HCPCS Code 1 | CPT\_1 | $5. | LBCPT | CPT\_CODE | No transformation. |
| CPT/HCPCS Code 2 | CPT\_2 | $5. | LBCPT | CPT\_CODE | No transformation. |
| CPT/HCPCS Code 3 | CPT\_3 | $5. | LBCPT | CPT\_CODE | No transformation. |
| CPT/HCPCS Code 4 | CPT\_4 | $5. | LBCPT | CPT\_CODE | No transformation. |
| Narrated CDR Document ID | DOCUMENT\_ID | 8. | LBPTH | DOCUMENT\_ID | No transformation. |
| Narrated CDR Document Type | DOCUMENT\_SYSTEM\_NCID | 8. | LBPTH | DOCUMENT\_SYSTEM\_NCID | No transformation. |
| Ordering Provider ID | ORDERING\_PROVIDER\_ID | 8. | LBORD | PROVIDER\_ID | No transformation. |
| Order CDR Event ID | ORDER\_EVENT\_ID | 8. | LBORD | EVENT\_ID | No transformation. |
| Order Comment | ORDER\_COMMENT | $20. | LBORD | ORDER\_COMMENT | Derived by keeping first 20 characters of the source field ORDER\_COMMENT. |
| Order Status | ORDER\_STATUS | $2. | LBORD | ORDER\_STATUS\_CODE | No transformation. |
| Specimen Collection Method | COLLECT\_METHOD | $1. | LBORD | COLLECT\_METHOD | No transformation. |
| CDR Patient ID | CDR\_PATIENT\_ID | $20. | LBPTH | UNIT\_NUMBER | No transformation. |
| CDR Appointment ID | CDR\_APPT\_ID | 8. | LBORD | APPT\_ID | No transformation. |
| CDR Host ID | CDR\_HOST\_ID | 8. | LBORD, LBPTH | HOST\_FACILITY\_ID | No transformation. This is part of the key (along with LAB\_ORDER\_ID) to join the LBORD and LBPTH feeds together. |
| CDR Clinic ID | CDR\_CLINIC\_ID | 8. | LBORD | CLINIC\_ID | No transformation. |
| CDR Provider ID | CDR\_PROV\_ID | 8. | LBPTH | PROVIDER\_ID | No transformation. |
| Feed Date | FEEDDT | $8. | N/A | N/A | Derived from the file name of the feed.  if substr(file\_info,length(file\_info)-2,3) = ".gz" then feeddt = substr(file\_info,length(file\_info)-23,8);  else if substr(file\_info,length(file\_info)-2,3) = "DAT" then feeddt = substr(file\_info,length(file\_info)-20,8); |
| **CDR Appointment Table Merge** | | | | | |
| CHCS Appt IEN | APPTIDNO | $10. | N/A | APPT\_ID | Derived from the Appointment table merge based on CDR\_APPT\_ID |
| **CDR Patient Table Merge** | | | | | |
| Universal Patient ID | UPID | $14. | N/A | N/A | Derived from the Patient table merge based on CDR\_PATIENT\_ID |
| EDIPN | EDI\_PN | $10. | N/A | N/A | Derived from the Patient table merge based on CDR\_PATIENT\_ID |
| Patient SSN | PATSSN | $9. | N/A | N/A | Derived from the Patient table merge based on CDR\_PATIENT\_ID |
| Sponsor SSN | SPONSSN | $9. | N/A | N/A | Derived from the Patient table merge based on CDR\_PATIENT\_ID |
| Patient Date of Birth | PATDOB | 8. | N/A | N/A | Derived from the Patient table merge based on CDR\_PATIENT\_ID |
| Patient Age | PATAGE | 8. | N/A | N/A | Derived using aprod/util macro by subtracting PATDOB from Date Start |
| Patient Category | PATCAT | $3. | N/A | N/A | Derived from the Patient table merge based on CDR\_PATIENT\_ID |
| Age Group Code | AGEGRP | $1. | N/A | N/A | Derived using aprod/util macro. A = 0-17, B = 18-24, etc. |
| **LVM Table Merge** | | | | | |
| DEERS Gender | GENDER | $1. | N/A | N/A | Fill with gender from LVM based on EDIPN. If the gender is blank or U, set to “Z”. |
| DEERS Enrollment DMISID | DENRSITE | $4. | N/A | N/A | Fill with enrollment DMISID from LVM based on EDIPN, if the result date is between the begin and end date associated with the enrollment site. If no match for the person, set to blank.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS Beneficiary Category | BENCAT | $3. | N/A | N/A | Fill with DEERS beneficiary category from LVM based on EDIPN, if the result date is between the begin and end date associated with the DEERS beneficiary category. If no match for the person or the bencat is Z, set to “UNK”.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS Common Beneficiary Category | COMBEN | $1. | N/A | N/A | Derived from DEERS Beneficiary Category during LVM merge using MDR utility programs. See VM6 Specification, section A.1.12 for derivation.  If no match for the person, set to “3”. |
| DEERS Sponsor Service | DSPONSVC | $1. | N/A | N/A | Fill with DEERS sponsor service from LVM based on EDIPN, if the result date is between the begin and end date associated with the DEERS sponsor service. If no match for the person, set to blank.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS Sponsor Service Aggregate | DSVCAGG | $1. | N/A | N/A | Fill with DEERS sponsor service (aggregate) from LVM based on EDIPN, if the result date is between the begin and end date associated with the DEERS sponsor service (aggregate). If no match for the person, set to blank.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS Alternate Care Value | ACV | $1. | N/A | N/A | Fill with ACV from LVM based on EDIPN, if the result date is between the begin and end date associated with the ACV, else if ACV is blank after LVM merge and bencat is ACT or GRD then set ACV to M, otherwise set to blank. This field is no longer populated starting 1/1/18.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS Relationship | RELATIONSHIP | $1. | N/A | N/A | Fill with DEERS Relationship from the LVM based on EDIPN and SPONSSN. If Relationship not found in LVM merge, then derive from FMP from Patient Table Merge.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS HCDP | HCDP | $3. | N/A | N/A | Fill with DEERS HCDP code from LVM based on EDIPN, if the result date is between the begin and end date associated with the DEERS HCDP code. If no match for the person, set to blank.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS ZIP Code | DEERSZIP | $5. | N/A | N/A | Fill with DEERS ZIP code from LVM based on EDIPN, if the result date Is between the begin and end date associated with the DEERS ZIP code. If no match for the person, set to blank.  See VM6 Specification, Exhibits G-18 and 19 for segment and field positions. |
| DEERS Eligibility Group | ELG\_GRP | $2. | N/A | N/A | Fill with Eligibility Group from LVM if the result date is between the begin and end date of the associated segment. If no match for person, set to “Z”.  See VM6 Beneficiary Specification, Exhibit G19. |
| DEERS Enrollment Group | ENR\_GRP | $2. | N/A | N/A | Fill with Enrollment Group from LVM if the result date is between the begin and end date of the associated segment. If no match for the person, set to “Z”.  See VM6 Beneficiary Specification, Exhibit G19. |
| DEERS PCM Type | PCM\_TYPE | $1. | N/A | N/A | Fill with PCM Type from LVM if the result date is between the begin and end date of the associated segment. If no match for the person, set to “Z”.  See VM6 Beneficiary Specification, Exhibit G19. |
| DEERS Assigned Health Care Delivery Program Code | HCDP\_ASSGN | $3. | N/A | N/A | Fill with Assigned HCDP Code from LVM if the result date is between the begin and end date of the associated segment.  See VM6 Beneficiary Specification, Exhibit G19. |
| DEERS ACV Group | ACVGROUP | $2. | N/A | N/A | For dates on or after 1/1/2019:  Set to blank.  For dates prior to 1/1/2019:  Derived by the MDR utilities during LVM merge based on Enrollment Group, PCM Type, Eligibility Group, and Common Beneficiary Category or ACV and Common Beneficiary Category depending on whether result date is before or after 1/1/18. If no match for the person, set to “O”.  See VM6 Beneficiary Specification, Section G.3 for details. |

**Table 6. MDR Pathology CPT SAS Data Set**

The MDR Pathology CPT table is stored as one SAS dataset for all-time. The dataset is prepared according to the derivation rules listed in Table 6.

| **Variable Name** | **SAS Field Name** | **Format** | **Source Feeds** | **Related Source Field** | **Transformation Rule** |
| --- | --- | --- | --- | --- | --- |
| Feed Date | FEEDDT | $8. | N/A | N/A | Derived from the file name of the feed.  if substr(file\_info,length(file\_info)-2,3) = ".gz" then feeddt = substr(file\_info,length(file\_info)-23,8);  else if substr(file\_info,length(file\_info)-2,3) = "DAT" then feeddt = substr(file\_info,length(file\_info)-20,8); |
| CPT/HCPCS Code | CPT | $5. | LBCPT | CPT\_CODE | No transformation. |
| Pathology Result ID | PATH\_EVENT\_ID | 8. | LBCPT | EVENT\_ID | No transformation. This field is the key field to join this table to the Pathology Results table. |
| Fiscal Year | FY | $4. | N/A | PARTITION\_DATE | Fiscal year equivalent of calendar year of PARTITION\_DATE. |
| Fiscal Month | FM | $2. | N/A | PARTITION\_DATE | Fiscal month equivalent of calendar year of PARTITION\_DATE. |

1. Refresh Frequency

Frequency of updates (based on Pathology Result Date):

* Weekly.
* Retrofits: On an as needed basis when data corrections or updates are

required.

1. Data Quality

It is expected that when the Pathology processor is run each week, that basic quality checks are performed throughout the process. It is recommended that the DHSS vendor develop a spreadsheet which tracks key characteristics of the data across processing cycles; making it relatively easy to understand how the data should generally look. DHSS vendors need to review these statistics each month prior to releasing the data. DHCAPE (the functional proponent and the specification author) should be contacted immediately should any quality issues arise. These checks, at a minimum, should include:

* Total record counts in the data feed should have a relatively stable distribution across the Result Date, accounting for weekends and holidays. Any anomalies should immediately be investigated.
* The number of records that match when doing the CDR Patient table merge should be consistent.
* The distribution of all categorical fields (ex. DMISID, ORDER\_STATUS) should be consistent. The results of proc freq analyses will verify this.
* The number of null values for important fields such as CDR\_PATIENT\_ID, PATH\_RESULT\_ID, and DMISID should be tracked across monthly updates.
* When reading in the Pathology data feeds, a small number of records should be proc printed and manually inspected to ensure they have read in properly.
* Cross tabulations should be reviewed on derived elements to ensure the derivation logic works.
* A data flow tracker should be built to ensure that all records that are intended to make it into the final Pathology datasets do. In other words, all inserts, updates, and deletions should be tracked and explained in the data flow worksheet.

**Appendix A: Description of HOSTDMIS format**

The raw CDR feeds contain a CDR unique ID (HOST\_FACILITY\_ID) for the CHCS host, which is not common to any other data table within the MDR. Therefore a SAS format was created to translate the CDR host facility ID to a DMIS ID, a field commonly used in the MDR.

The application of the hostdmis format to translate the host\_facility\_id into hostdmis is done with the following statement: hostdmis = put(host\_facility\_id,hostdmis.);

Below is the proc format code that is used to develop the hostdmis SAS format:

**proc** **format**;

value hostdmis

**76313**='0364'

**76318**='0109'

**76323**='0128'

**76328**='0118'

**76333**='0110'

**76338**='0062'

**76810**='1170'

**1046961**='0052'

**1048021**='0090'

**1049621**='0124'

**1059821**='0089'

**1067401**='0125'

**1074201**='0091'

**1097342**='0248'

**1097429**='0018'

**1097561**='0013'

**1097861**='0055'

**1098981**='0338'

**1099041**='0114'

**1099139**='0098'

**1099332**='0096'

**1099822**='0113'

**1100881**='0108'

**1101099**='0029'

**1104242**='0097'

**1104381**='0112'

**1104541**='0014'

**1105841**='0064'

**1106441**='0028'

**1106901**='0131'

**1107161**='0019'

**1107201**='0024'

**1112813**='0057'

**1113124**='0049'

**1113704**='0048'

**1120878**='0047'

**1130428**='0060'

**1132134**='0038'

**1132684**='0039'

**1134172**='0032'

**1135465**='0103'

**1137626**='0101'

**1138685**='0053'

**1138927**='0056'

**1143097**='0073'

**1144654**='0009'

**1145022**='0045'

**1145350**='0067'

**1177297**='0008'

**1178200**='0001'

**1178583**='0330'

**1180847**='0003'

**1181105**='0058'

**1181588**='0607'

**1185029**='0061'

**1187857**='0075'

**1195255**='0035'

**1200322**='0005'

**1208940**='0612'

**1209517**='0086'

**1214474**='0615'

**1214671**='0010'

**1214914**='0129'

**1215101**='0616'

**1215502**='0620'

**1216727**='0621'

**1217255**='0624'

**1217474**='0618'

**1217695**='0084'

**1217869**='0077'

**1217983**='0085'

**1218117**='0006'

**1218586**='0050'

**1218870**='0119'

**1219060**='0617'

**1219293**='0059'

**1219472**='0808'

**1219659**='0310'

**1224255**='0079'

**1224847**='0093'

**1224981**='0004'

**1225163**='0076'

**1225324**='0078'

**1225841**='0106'

**1226061**='0635'

**1226215**='0637'

**1226261**='0633'

**1226659**='0083'

**1226824**='0623'

**1226983**='0638'

**1227261**='0074'

**1227781**='0094'

**1228014**='0042'

**1228561**='0051'

**1228789**='0043'

**1229006**='0639'

**1229178**='0622'

**1229704**='0629'

**1259764**='0046'

**1267414**='0036'

**1272512**='0326'

**1302739**='0095'

other = ' ';

**run**;