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| Processing requirements for HL7 match and generating output file |
| Processing and mapping guidelines |
|  |
| **Venu Madhav** |
| **10/22/2014** |

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1. **Requirement Description**

The goal is to match the HL7 records information (Patient details) captured against two databases namely “COMPETELINK” and “IHPPW”. If there is a match against “Competelink” we need to copy set of Id’s and flowingly if there match is against “IHPPW” then we need to generate an output HL7 file and save it in a folder on the server. The output HL7 will be an ORM message which functions as order output message.

There are some special cases to be considered for the processing:

1. If there is a match against the “COMPETELINK” database which is on MYSQL , then we need to copy ‘barcodeID’ and ‘DataExchangeID’ to the source table and also update ‘OrdercontStatusId’ as **Active participant** from LKP table “TblOrderContactStatusTbl” and proceed to ‘**step II’** or exit the job

**Note: we need to copy the remaining fields from members to TblPatientMaster. List of fields ato be update are “Email”,”Address”,”Zip”,”State”, “city”,”WorkPhone”(Fields which are blank need to be copied from members to TblPatientMaster. There should be no updations.)**

1. If the match is found against “IHPPW” database which is on SQLSERVER then we need to generate a output HL7 file and store it under ‘outbound ‘ folder on server.(**There are two scenarios while matching, explained in the mapping section with schemas**)
2. **Note: For now hold on the creation of output file in the outbound folder on the server.**
3. Logging is required both at file level and database level. Database table **runlog** will be created as part of database logging (Schema for same is provided later in document).
4. All the paths e.g. path to destination file folder, path to logs folder should be parameterized so that they can be changed as per environment.
5. All the database parameters e.g. database server, database name etc. should be parameterized so that they can be changed as per environment.

Cases to be considered while generating Output HL7 file

1. Where there is a new order and a match exists in compete and IHP then **latest values** in IHP are considered as initial set for the output order and the if there is only one set of observations then the output HL7 has only the initial set of observations
2. If there is no match then we will wait till the patient is registered into compete and IHP and take the latest observation as initial set.
3. If there is no new order , but our daily job finds new set of values in IHP for a patient for whom there is already a order exists then we need to set the new set as current set and the before one as initial set and calculate the difference.
4. For every order we will generate 4 Output orders .
5. We already have a patient with a order and we receive a new order with different orderid then we will find the latest set of values in IHP and which will be the first set for the new order id and following will generate 4 outputs
6. We need to create a new table to keep track of the number of output orders generated for each orderi d.
7. When we are checking for a match against IHP and to identify a valid record we are checking in ihp\_members.
8. If we have multiple match’s against IHP for a patient then consider the records only with dataExchangeIDs (**Ignore this point**)

Demo Table schema to keep track of the output hl7 generated

**TblOutboundTracker**

|  |  |
| --- | --- |
| **Column name** | **DataType** |
| PatientId | Varchar |
| OrderId | Varchar |
| EpicId | Varchar |
| ProvideId | Varchar |
| NumberofOutputs | Int |
| FollowupSentDate | Date |
| InitialSentDate | Date |
| InitialHeight | Varchar |
| OutputSent | TinyInt |

1. **Output - HL7 ORM-001 messages**

In case we are generating a HL7 output message then sample format is as following:

**MSH|^~\&|talwarkars|MOND|EPIC|AOK|20140203110331||ORU^R01|"62.5"|T|2.3|**

**PID|1||802422^^^EPI||TEST^HURCULES^D||||**

**OBR|1||4075|TM108^FITNESS ASSESSMENT^IPLAB||||||||||||||||||2014-02-03T11:03:31.07-06:00|||F|**

**NTE|1|talwarkars|This is a fitness assessment from talwarkars|**

**OBX|1|NM|205184^REPORT STATUS^LABLRR|1|EPIC\_ID: 802422||||||F||||EMHLAB^talwarkars|**

**OBX|2|NM|205184^REPORT STATUS^LABLRR|1|EPIC\_ORDER\_NUM: 4075||||||F||||EMHLAB^talwarkars|**

**OBX|3|NM|205184^REPORT STATUS^LABLRR|1|Initial\_BP: 102||||||F||||EMHLAB^talwarkars|**

**OBX|4|NM|205184^REPORT STATUS^LABLRR|1|Initial\_DBP: 71||||||F||||EMHLAB^talwarkars|**

**OBX|5|NM|205184^REPORT STATUS^LABLRR|1|Initial\_RHR: 63||||||F||||EMHLAB^talwarkars|**

**OBX|6|NM|205184^REPORT STATUS^LABLRR|1|Initial\_Weight: 62.5||||||F||||EMHLAB^talwarkars|**

**OBX|7|NM|205184^REPORT STATUS^LABLRR|1|Initial\_Height: 68||||||F||||EMHLAB^talwarkars|**

**OBX|8|NM|205184^REPORT STATUS^LABLRR|1|Initial\_Exercise: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|9|NM|205184^REPORT STATUS^LABLRR|1|Initial\_BIAFat%: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|10|NM|205184^REPORT STATUS^LABLRR|1|Initial\_Waist: 34||||||F||||EMHLAB^talwarkars|**

**OBX|11|NM|205184^REPORT STATUS^LABLRR|1|Initial\_TotalBloodChol: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|12|NM|205184^REPORT STATUS^LABLRR|1|Initial\_HDL: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|13|NM|205184^REPORT STATUS^LABLRR|1|Initial\_LDL: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|14|NM|205184^REPORT STATUS^LABLRR|1|Initial\_Triglycerides: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|15|NM|205184^REPORT STATUS^LABLRR|1|Initial\_Glucose: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|16|NM|205184^REPORT STATUS^LABLRR|1|Initial\_VO2: 47.4||||||F||||EMHLAB^talwarkars|**

**OBX|17|NM|205184^REPORT STATUS^LABLRR|1|Initial\_SNR: -5||||||F||||EMHLAB^talwarkars|**

**OBX|18|NM|205184^REPORT STATUS^LABLRR|1|Initial\_LeftGrip: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|19|NM|205184^REPORT STATUS^LABLRR|1|Initial\_RightGrip: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|20|NM|205184^REPORT STATUS^LABLRR|1|Initial\_PushUp: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|3|NM|205184^REPORT STATUS^LABLRR|1|Current\_SBP: 102||||||F||||EMHLAB^talwarkars|**

**OBX|4|NM|205184^REPORT STATUS^LABLRR|1|Current\_DBP: 71||||||F||||EMHLAB^talwarkars|**

**OBX|5|NM|205184^REPORT STATUS^LABLRR|1|Current\_RHR: 63||||||F||||EMHLAB^talwarkars|**

**OBX|6|NM|205184^REPORT STATUS^LABLRR|1|Current\_Weight: 62.5||||||F||||EMHLAB^talwarkars|**

**OBX|7|NM|205184^REPORT STATUS^LABLRR|1|Current\_Height: 68||||||F||||EMHLAB^talwarkars|**

**OBX|8|NM|205184^REPORT STATUS^LABLRR|1|Current\_Exercise: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|9|NM|205184^REPORT STATUS^LABLRR|1|Current\_BIAFat%: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|10|NM|205184^REPORT STATUS^LABLRR|1|Current\_Waist: 34||||||F||||EMHLAB^talwarkars|**

**OBX|11|NM|205184^REPORT STATUS^LABLRR|1|Current\_TotalBloodChol: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|12|NM|205184^REPORT STATUS^LABLRR|1|Current\_HDL: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|13|NM|205184^REPORT STATUS^LABLRR|1|Current\_LDL: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|14|NM|205184^REPORT STATUS^LABLRR|1|Current\_Triglycerides: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|15|NM|205184^REPORT STATUS^LABLRR|1|Current\_Glucose: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|16|NM|205184^REPORT STATUS^LABLRR|1|Current\_VO2: 47.4||||||F||||EMHLAB^talwarkars|**

**OBX|17|NM|205184^REPORT STATUS^LABLRR|1|Current\_SNR: -5||||||F||||EMHLAB^talwarkars|**

**OBX|18|NM|205184^REPORT STATUS^LABLRR|1|Current\_LeftGrip: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|19|NM|205184^REPORT STATUS^LABLRR|1|Current\_RightGrip: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|20|NM|205184^REPORT STATUS^LABLRR|1|Current\_PushUp: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|3|NM|205184^REPORT STATUS^LABLRR|1|Difference\_SBP: 0||||||F||||EMHLAB^talwarkars|**

**OBX|4|NM|205184^REPORT STATUS^LABLRR|1|Difference\_DBP: 0||||||F||||EMHLAB^talwarkars|**

**OBX|5|NM|205184^REPORT STATUS^LABLRR|1|Difference\_RHR: 0||||||F||||EMHLAB^talwarkars|**

**OBX|6|NM|205184^REPORT STATUS^LABLRR|1|Difference\_Weight: 0||||||F||||EMHLAB^talwarkars|**

**OBX|7|NM|205184^REPORT STATUS^LABLRR|1|Difference\_Height: 0||||||F||||EMHLAB^talwarkars|**

**OBX|8|NM|205184^REPORT STATUS^LABLRR|1|Difference\_Exercise: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|9|NM|205184^REPORT STATUS^LABLRR|1|Difference\_BIAFat%: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|10|NM|205184^REPORT STATUS^LABLRR|1|Difference\_Waist: 0||||||F||||EMHLAB^talwarkars|**

**OBX|11|NM|205184^REPORT STATUS^LABLRR|1|Difference\_TotalBloodChol: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|12|NM|205184^REPORT STATUS^LABLRR|1|Difference\_HDL: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|13|NM|205184^REPORT STATUS^LABLRR|1|Difference\_LDL: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|14|NM|205184^REPORT STATUS^LABLRR|1|Difference\_Triglycerides: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|15|NM|205184^REPORT STATUS^LABLRR|1|Difference\_Glucose: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|16|NM|205184^REPORT STATUS^LABLRR|1|Difference\_VO2: 0||||||F||||EMHLAB^talwarkars|**

**OBX|17|NM|205184^REPORT STATUS^LABLRR|1|Difference\_SNR: 0||||||F||||EMHLAB^talwarkars|**

**OBX|18|NM|205184^REPORT STATUS^LABLRR|1|Difference\_LeftGrip: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|19|NM|205184^REPORT STATUS^LABLRR|1|Difference\_RightGrip: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

**OBX|20|NM|205184^REPORT STATUS^LABLRR|1|Difference\_PushUp: \*\*NA\*\*||||||F||||EMHLAB^talwarkars|**

1. **Targets and Mappings**
2. Comparing data ‘tblpatientmaster’ from crm database which is source to ‘members’ from competelink database

|  |  |  |  |
| --- | --- | --- | --- |
| **Field name in “**tblpatientmaster**”** |  | **Field name in “**members**”** | **Remarks** |
| FirstName |  | first\_name | Find match |
| LastName |  | Last\_name | Find match |
| DoB |  | Date\_of\_birth | Find match |
|  |  | compete\_club\_id = 15 | Find match |
| Email |  | Email\_address | Copy from members to tblpatientmaster |
| Address |  | Address1 | Copy from members to tblpatientmaster |
| City |  | City | Copy from members to tblpatientmaster |
| StateId |  | State | Copy from members to tblpatientmaster over LKPtable LKPstates (if blank then leave blank) |
| Zip |  | Zipcode | Copy from members to tblpatientmaster |
| WorkPhone |  | Work\_phone | Copy from members to tblpatientmaster (if blank then leave blank) |
| BarcodeId |  | Barcode\_id | If match found copy from ‘members’ to ‘tblpatientmaster’ |
| DataExchangeId |  | Data\_exchange\_id | If match found copy from ‘members’ to ‘tblpatientmaster’ |

1. Comparing data ‘tblpatientmaster’ from crm database which is source to ‘ihp\_members’ from ihppw database

In the first scenario we need to use DataExchangeId and center to match against IHP. If there is match then we will go forward and generate the output file

|  |  |  |
| --- | --- | --- |
| **Field name in “**tblpatientmaster**”** | **Field name in “**ihp\_members**”** | **Remarks** |
| DataExchangeId | Data\_Exchange\_ID | Find match. |
|  | IHP/FC\_ID= 359 | Find match. |

If a match is not found in the first scenario then we will use the below criteria to find a match. If there is match found then we will flag the record in the table and send an alert to the client

|  |  |  |
| --- | --- | --- |
| **Field name in “**tblpatientmaster**”** | **Field name in “**ihp\_members**”** | **Remarks** |
|  | IHP/FC\_ID = 359 | Find match. |
| FirstName | First\_Name | Find match. |
| LastName | Last\_Name | Find match. |
| DoB | DOB | Find match. |

**Criteria for flagging records:**

**1.** When a match is found against IHP and there are more than one record for a patient (duplicate record) the patient record should be flagged

2. When a match is found and the record do not have DataExchangeId (match is found using fname, lname, birthday) then the record should be flagged

**Schema of table to track flagged records**

|  |  |
| --- | --- |
| **Field name in runlog** | **Field Description** |
| ID | A unique identifier for each run of job |
| PatientID | ihp\_members\_id field from ihp\_members |
| Fname | firstname field from TblPatientMaster |
| Lname | lastname field from TblPatientMaster |
| DOB | DOB field from TblPatientMaster |
| Phone | Phone field from TblPatientMaster |
| center | Center field from ihp\_members |
| Comments/Criteria | Reason why the record is flagged |

Note: **A separate email list should be maintained apart from the one used for outbound script. Below data fields should be send in the notification email (PatientMasterId(CRM),orderId(CRM),PatientId(IHP),Fname(CRM),Lname(CRM),birthday(CRM))**

If there is a match then generate an output hl7 file using the observation data.

The observation data for a patient is captured from the table **ihp\_members and ihp\_assessments. The schema for the table is provided at the end**

**Note: both compete\_club\_id=15 and center=359 should be hardcoded**

1. **Logging**

Process should support both file logging and database logging.

**File Logging**

A log file will be generated which will contain process console output so that all exception details can be gathered. This will provide us a debug point as to why last run failed for process.

**Database Logging**

One table will be created which will store job execution start timestamp and job execution finish timestamp. Schema for same will be:

|  |  |
| --- | --- |
| **Field name in runlog** | **Field Description** |
| LogID | A unique identifier for each run of job |
| JobID | A unique identifier for each job. Same as surrogate key for table jobs |
| JobExecutionStartDateTime | Timestamp at which job execution started |
| JobExecutionEndDateTime | Timestamp at which job execution ended |

1. **Exception Handling**

Batch control table jobs have two fields JobSuccessEmailID and JobFailureEmailID.

* 1. If job fails with error, an email should be sent to email list fetched from **JobFailureEmailID** field in batch control table **jobs**. (email:talendpwc@gmail.com)
  2. If job completes successfully, an email should be sent to email list fetched from **JobSuccessEmailID** field in batch control table **jobs**. (email:talendpwc@gmail.com)

1. **Output**

After successful run of job there will be an ouput.hl7 file located in the outbound folder on the server (/home/link\_mirth/mercy/outbound)

1. **Miscellaneous**

Schema for batch control table **jobs** is as follows:

|  |  |
| --- | --- |
| **Fields in jobs** | **Field Description** |
| JobID | Surrogate key for table |
| JobName | Name of Job |
| JobDescription | Description of job |
| JobSuccessEmailID | List of emails who should be notified if job completes successfully, with or with warnings |
| JobFailureEmailID | List of emails who should be notified if job fails |
| CreatedDate | Date this job was created |
| UpdatedDate | Date the job has been modified recently |
| IsActive | A boolean value which tells if job is to be run or not. Job is active if this field is set as 1. |

Schema to create test tables for development:

**TblPatientmaster( schema: CRM) MySQl**

CREATE TABLE `TblPatientMaster` (

`PatientMasterId` int(11) NOT NULL AUTO\_INCREMENT,

`PatientId` varchar(12) NOT NULL,

`BarCodeId` varchar(45) DEFAULT NULL,

`DataExchangeId` varchar(45) DEFAULT NULL,

`SSN` varchar(12) DEFAULT NULL,

`FirstName` varchar(20) NOT NULL,

`MiddleName` varchar(5) DEFAULT NULL,

`LastName` varchar(20) NOT NULL,

`Sex` varchar(1) DEFAULT NULL,

`DoB` date NOT NULL,

`Age` int(3) DEFAULT NULL,

`Address` varchar(150) DEFAULT NULL,

`Address2` varchar(100) DEFAULT NULL,

`City` varchar(45) DEFAULT NULL,

`StateId` int(4) DEFAULT NULL,

`Zip` int(5) DEFAULT NULL,

`Phone` varchar(14) DEFAULT NULL,

`WorkPhone` varchar(14) DEFAULT NULL,

`Email` varchar(45) DEFAULT NULL,

`Notes` text,

`CreateDate` datetime DEFAULT NULL,

`LastUpdate` timestamp NOT NULL DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

`LastUpdateToProvider` datetime DEFAULT NULL,

`CreatedBy` varchar(45) DEFAULT NULL,

`UpdatedBy` varchar(45) DEFAULT NULL,

PRIMARY KEY (`PatientMasterId`),

KEY `PatientId` (`PatientId`)

) ENGINE=InnoDB AUTO\_INCREMENT=428 DEFAULT CHARSET=latin1;

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**members (schema : competelink) MySQl**

CREATE TABLE `members` (

`loc\_id` INT(10) NOT NULL,

`display\_name` VARCHAR(255) NULL DEFAULT NULL,

`title` VARCHAR(255) NULL DEFAULT NULL,

`first\_name` VARCHAR(255) NULL DEFAULT NULL,

`middle\_initial` VARCHAR(1) NULL DEFAULT NULL,

`last\_name` VARCHAR(255) NULL DEFAULT NULL,

`email\_address` VARCHAR(255) NULL DEFAULT NULL,

`compete\_company\_id` VARCHAR(50) NULL DEFAULT NULL,

`compete\_customer\_id` VARCHAR(50) NULL DEFAULT NULL,

`compete\_club\_id` VARCHAR(50) NULL DEFAULT NULL,

`company\_id` VARCHAR(36) NULL DEFAULT NULL,

`club\_id` VARCHAR(11) NULL DEFAULT NULL,

`barcode\_id` VARCHAR(50) NULL DEFAULT NULL,

`data\_exchange\_id` VARCHAR(15) NULL DEFAULT NULL,

`address1` VARCHAR(255) NULL DEFAULT NULL,

`address2` VARCHAR(255) NULL DEFAULT NULL,

`city` VARCHAR(255) NULL DEFAULT NULL,

`zipcode` VARCHAR(50) NULL DEFAULT NULL,

`state` VARCHAR(255) NULL DEFAULT NULL,

`country` VARCHAR(255) NULL DEFAULT NULL COLLATE 'utf8\_bin',

`date\_of\_birth` DATE NULL DEFAULT NULL,

`gender` VARCHAR(50) NULL DEFAULT NULL,

`marital\_status` TINYINT(1) NULL DEFAULT NULL COMMENT '0 = Not Married, 1 = Married',

`group\_name` VARCHAR(255) NULL DEFAULT NULL,

`group\_number` VARCHAR(255) NULL DEFAULT NULL,

`home\_club\_name` VARCHAR(255) NULL DEFAULT NULL,

`home\_club\_number` INT(11) NULL DEFAULT NULL,

`preferred\_phone` VARCHAR(50) NULL DEFAULT NULL,

`mobile\_phone` VARCHAR(50) NULL DEFAULT NULL,

`home\_phone` VARCHAR(50) NULL DEFAULT NULL,

`work\_phone` VARCHAR(50) NULL DEFAULT NULL,

`emergency\_contact` VARCHAR(255) NULL DEFAULT NULL,

`emergency\_phone` VARCHAR(50) NULL DEFAULT NULL,

`join\_date` DATETIME NULL DEFAULT NULL,

`last\_visit\_date` DATETIME NULL DEFAULT NULL,

`last\_thirty\_days\_check\_in\_count` INT(10) NULL DEFAULT NULL,

`last\_ninety\_days\_check\_in\_count` INT(10) NULL DEFAULT NULL,

`marketing\_source\_description` VARCHAR(255) NULL DEFAULT NULL,

`marketing\_source\_id` INT(11) NULL DEFAULT NULL,

`membership\_expires` DATETIME NULL DEFAULT NULL,

`membership\_type` VARCHAR(255) NULL DEFAULT NULL,

`member\_type` VARCHAR(255) NULL DEFAULT NULL,

`sales\_person\_id` VARCHAR(255) NULL DEFAULT NULL,

`sales\_person\_name` VARCHAR(255) NULL DEFAULT NULL,

`status` VARCHAR(255) NULL DEFAULT NULL,

`status\_date` DATETIME NULL DEFAULT NULL,

`status\_reason` VARCHAR(255) NULL DEFAULT NULL,

`created` DATETIME NULL DEFAULT NULL,

`creator\_id` VARCHAR(36) NULL DEFAULT NULL,

`modified` DATETIME NULL DEFAULT NULL,

`modifier\_id` VARCHAR(36) NULL DEFAULT NULL,

`ihp\_id` INT(11) NULL DEFAULT NULL,

UNIQUE INDEX `uniq\_key` (`loc\_id`, `compete\_customer\_id`, `data\_exchange\_id`),

INDEX `creator\_id` (`creator\_id`),

INDEX `modifer\_id` (`modifier\_id`),

INDEX `club\_id` (`club\_id`),

INDEX `compete\_customer\_id` (`compete\_customer\_id`),

INDEX `compete\_club\_id` (`compete\_club\_id`),

INDEX `compete\_company\_id` (`compete\_company\_id`),

INDEX `company\_id` (`company\_id`),

INDEX `DEID` (`data\_exchange\_id`)

)

COLLATE='utf8\_general\_ci'

ENGINE=InnoDB

ROW\_FORMAT=DEFAULT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ihp\_members ( schema: ihppw ) SQLSERVER

**CREATE** **TABLE** `ihp\_members` (

`ihp\_members\_id` **INT**(11) **NOT** **NULL**,

`timestamp` **DATETIME** **NULL** **DEFAULT** **NULL**,

`IHP/FC\_ID` **INT**(10) **NULL** **DEFAULT** **NULL**,

`Center\_Name` **VARCHAR**(255) **NULL** **DEFAULT** **NULL**,

`Data\_Exchange\_ID` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Last\_Name` **VARCHAR**(60) **NULL** **DEFAULT** **NULL**,

`First\_Name` **VARCHAR**(60) **NULL** **DEFAULT** **NULL**,

`DOB` **DATETIME** **NULL** **DEFAULT** **NULL**,

`Sex` **VARCHAR**(9) **NULL** **DEFAULT** **NULL**,

`Group` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Source` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Risk\_Strat` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Ethnicity` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Heart\_Disease` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Asthma` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Cancer` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Bone/Joint` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Exercise\_<3` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Tobacco` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Diabetes` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`BP\_Meds` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Height` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`ihp\_members\_id`)

)

**COLLATE**='utf8\_general\_ci'

**ENGINE**=**InnoDB**

**ROW\_FORMAT**=**DEFAULT**

Tbl\_mfc\_pat3 **( schema: ihppw ) SQLSERVER**

**CREATE** **TABLE** `ihp\_assessments` (

`ihp\_assessments\_id` **VARCHAR**(20) **NOT** **NULL**,

`type` **INT**(11) **NULL** **DEFAULT** '0',

`Test\_Date` **DATETIME** **NULL** **DEFAULT** **NULL**,

`ihp\_members\_id` **INT**(11) **NOT** **NULL**,

`Weight` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`SBP` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`DBP` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`RHR` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Waist` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Hip` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Body\_Fat\_%` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`SNR` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Glucose` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Total\_Blood\_Chol` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`HDL` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`LDL` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Triglycerides` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Entered\_By` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`ANOTHER\_Body\_Fat\_%` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`VO2` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Push\_Up` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Left\_Grip` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Right\_Grip` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Chair\_Stand` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Arm\_Curl` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`2\_Min\_Step` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Chair\_SNR\_1` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Chair\_SNR\_2` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Back\_Scratch\_1` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`Back\_Scratch\_2` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`8\_Up/Go\_1` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

`8\_Up/Go\_2` **VARCHAR**(40) **NULL** **DEFAULT** **NULL**,

**PRIMARY** **KEY** (`ihp\_assessments\_id`)

)

**COLLATE**='utf8\_general\_ci'

**ENGINE**=**InnoDB**

**ROW\_FORMAT**=**DEFAULT**

TblOrderContactStatusTbl **( schema: CRM) MySQl**

CREATE TABLE `TblOrderContactStatusTbl` (

`OrderContStatusId` int(11) NOT NULL AUTO\_INCREMENT,

`OrderContStatus` varchar(45) DEFAULT NULL,

`OrderContStatusCreateDate` datetime DEFAULT NULL,

`OrderContStatusLastUpdate` timestamp NULL DEFAULT NULL,

PRIMARY KEY (`OrderContStatusId`)

) ENGINE=MyISAM AUTO\_INCREMENT=7 DEFAULT CHARSET=latin1;

Insert into pwc\_crm.TblOrderContactStatusTbl

select 1, 'Contacted'

union all

select 2, 'Scheduled'

union all

select 3, 'Not Interested'

union all

select 4, 'Active Participant'

union all

select 5, 'Completed Program'

union all

select 6, 'Did Not Complete'

**TblLkpStates**

CREATE TABLE `TblLkpStates` (

`dst\_id` int(11) NOT NULL AUTO\_INCREMENT,

`dst\_dc\_id` int(11) NOT NULL,

`dst\_iso\_code` varchar(6) DEFAULT NULL,

`dst\_iso` varchar(100) DEFAULT NULL,

`dst\_name` varchar(255) DEFAULT NULL,

`dst\_printable\_name` varchar(255) DEFAULT NULL

) ENGINE=MyISAM