

1. Health Plans

```
CREATE TABLE `health_plans` (  
  `plan_id` bigint(20) NOT NULL auto_increment,  
  `plan_name` varchar(255) DEFAULT NULL,  
  `plan_description` longtext,  
  `category_id` varchar(255) DEFAULT NULL, -- ('disease management')(diabetes)  
  `gender` varchar(255) DEFAULT NULL,  
  `frequency` smallint(4) DEFAULT `1`,  
  `year_repeat` smallint(4) DEFAULT `1`,  
  `goals` longtext,  
  `age_from` smallint(4) DEFAULT NULL,  
  `age_to` smallint(4) DEFAULT NULL,  
  `icd_include` varchar(255) DEFAULT NULL, -- ('753.5::535::355')  
  `cpt_include` varchar(255) DEFAULT NULL,  
  `ndc_include` varchar(255) DEFAULT NULL, -- from Lexicomp or a free drug database  
  `patient_history_include` text, -- e.g. smoking status  
  `lab_abnormal_result_include` text, -- from lab results table  
  `icd_exclude` varchar(255) DEFAULT NULL,  
  `cpt_exclude` varchar(255) DEFAULT NULL,  
  `ndc_exclude` varchar(255) DEFAULT NULL,  
  `patient_history_exclude` text,  
  `lab_abnormal_result_exclude` text,  
  `activation_status` varchar(255) DEFAULT NULL  
  PRIMARY KEY (`plan_id`)  
) ENGINE=MyISAM AUTO_INCREMENT=1;
```

2. Health Plan Actions

```
CREATE TABLE `health_plan_actions` (  
  `action_id` bigint(20) NOT NULL auto_increment,  
  `action_content` longtext,  
  `action_startdate` date DEFAULT NULL,  
  `reminder_timeframe` smallint(4) DEFAULT NULL,  
  `reminder_method` varchar(255) DEFAULT NULL,  
  `followup_timeframe` smallint(4) DEFAULT NULL,  
  `followup_method` varchar(255) DEFAULT NULL,  
  PRIMARY KEY (`activity_id`)  
) ENGINE=MyISAM AUTO_INCREMENT=1;
```

3. Patient Reminders

```
CREATE TABLE `patient_reminders` (  
  `reminder_id` bigint(20) NOT NULL auto_increment,  
  `reminder_name` varchar(255) DEFAULT NULL, -- ('flu shot')('smoking cessation')  
  `reminder_content` longtext,  
  `action_id` bigint(20) DEFAULT NULL,  
  `patient_id` bigint(20) DEFAULT NULL, -- id from patient_data table  
  `date_due` date DEFAULT NULL, -- cron job will be used to generate the reminders daily  
  `date_modified` date DEFAULT NULL,  
  `status` varchar(255) DEFAULT NULL,  
  PRIMARY KEY (`reminder_id`),  
  KEY `patient_id` (`patient_id`)  
) ENGINE=MyISAM AUTO_INCREMENT=1;
```

4. Health Plan Enrollment

```
CREATE TABLE `health_plan_enrollment` (  
  `patient_id` bigint(20) DEFAULT NULL,  
  `plan_id` bigint(20) DEFAULT NULL,  
  `date_signup` datetime DEFAULT NULL,  
  `status` varchar(255) DEFAULT NULL  
) ENGINE=MyISAM;
```

5. Messages

```
CREATE TABLE `messages` (  
  `message_id` bigint(20) NOT NULL auto_increment,  
  `date` datetime DEFAULT NULL,  
  `subject` varchar(255) DEFAULT NULL,  
  `content` longtext,  
  `sender` varchar(255) DEFAULT NULL,  
  `recipient` varchar(255) DEFAULT NULL,  
  `patient_id` bigint(20) DEFAULT NULL,  
  `cpoe_order_link` varchar(255) DEFAULT NULL,  
  `lab_result_link` varchar(255) DEFAULT NULL,  
  `reminder_link` varchar(255) DEFAULT NULL,  
  `medication_link` varchar(255) DEFAULT NULL,  
  PRIMARY KEY (`message_id`)  
) ENGINE=MyISAM AUTO_INCREMENT=1;
```

6. Health Plan Categories

```
CREATE TABLE `health_plan_categories` (  
  `category_id` bigint(20) NOT NULL auto_increment,  
  `category_main` bigint(20) DEFAULT NULL,  
  `category_name` mediumtext default NULL,  
  PRIMARY KEY (`category_id`)  
) ENGINE=MyISAM AUTO_INCREMENT=1;
```

```
INSERT INTO health_plan_categories VALUES ('1','0','Disease Management');  
INSERT INTO health_plan_categories VALUES ('2','0','Health Maintenance');  
INSERT INTO health_plan_categories VALUES ('3','0','Wellness Programs');  
INSERT INTO health_plan_categories VALUES ('4','1','Cancers');  
INSERT INTO health_plan_categories VALUES ('5','1','Diabetes');  
INSERT INTO health_plan_categories VALUES ('6','1','Heart Disease');  
INSERT INTO health_plan_categories VALUES ('7','1','Hypertension');  
INSERT INTO health_plan_categories VALUES ('8','1','Stroke');  
INSERT INTO health_plan_categories VALUES ('9','1','Mental Disorder');  
INSERT INTO health_plan_categories VALUES ('10','1','Pulmonary Conditions');  
INSERT INTO health_plan_categories VALUES ('11','1','Alzheimer's Disease');  
INSERT INTO health_plan_categories VALUES ('12','2','Hepatitis B Vaccination');  
INSERT INTO health_plan_categories VALUES ('13','2','DTap Vaccination');  
INSERT INTO health_plan_categories VALUES ('14','2','MMR');  
INSERT INTO health_plan_categories VALUES ('15','2','Flu Shot');  
INSERT INTO health_plan_categories VALUES ('16','2','Comprehensive Medical Exam');  
INSERT INTO health_plan_categories VALUES ('17','2','Prostate Exam');  
INSERT INTO health_plan_categories VALUES ('18','2','Pap and Pelvic Exam');  
INSERT INTO health_plan_categories VALUES ('19','2','Smoking Cessation');  
INSERT INTO health_plan_categories VALUES ('20','2','Cholesterol');  
INSERT INTO health_plan_categories VALUES ('21','2','Mammogram');  
INSERT INTO health_plan_categories VALUES ('22','3','Stress Management');  
INSERT INTO health_plan_categories VALUES ('23','3','Pregnancy Nutrition');
```