

Developer Documentation Series

Part 1: Database Design

Database Information

Database Program: MySQL 3.23.49

Database Name: synitech

Tables:

| <u>Name</u> | <u>Description</u> |
|----------------|--|
| billing | Stores billing information |
| customicd9 | Stores customized ICD9-CM information |
| employer_data | Stores the employer data section of patient demographics |
| forms | Holds information about customized forms |
| lists | Stores lists of generalized patient information |
| log | The event log for OpenEMR |
| onotes | Stores office notes |
| pnotes | Stores patient notes |
| transactions | Stores information about data transactions |
| users | Stores OpenEMR user information |
| history_data | Stores the patient history data of patient demographics |
| insurance_data | Stores the patient insurance information of the patient demographics |
| patient_data | Stores the general patient information for patient demographics |

Table Information

billing

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|-----------------------------------|
| id | bigint(20) | The id number of the entry |
| date | datetime | The date the entry was made |
| code_type | varchar(255) | The type of code (ICD9-CM or CPT) |
| code | longtext | The applicable code for the entry |
| pid | bigint(20) | The patient ID number |
| user | varchar(255) | The user who made the entry |
| groupname | varchar(255) | The group of the user |
| authorized | tinyint(4) | |
| encounter | bigint(20) | The encounter number |
| code_text | longtext | The text of the code |
| activity | tinyint(4) | |

customicd9

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|-------------|-----------------------|
| id | bigint(20) | ID of the entry |
| code_text | longtext | Text of the code |
| code | longtext | Code number |
| code_type | longtext | Type (ICD9-CM or CPT) |

employer_data

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|-------------------------|
| id | bigint(20) | ID of the entry |
| name | varchar(255) | Name of employer |
| street | varchar(255) | Street of employer |
| postal_code | varchar(255) | ZIP code of employer |
| city | varchar(255) | City of employer |
| state | varchar(255) | State of employer |
| country | varchar(255) | Country of employer |
| date | datetime | Date the entry was made |
| pid | bigint(20) | Patient ID number |

forms

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|-------------------------|
| id | bigint(20) | ID of the entry |
| date | datetime | Date the entry was made |
| encounter | bigint(20) | Encounter number |
| form_name | longtext | Name of the form |
| form_id | bigint(20) | ID number of the form |
| pid | bigint(20) | ID of the patient |
| user | varchar(255) | Name of the user |
| groupname | varchar(255) | Group of the user |
| authorized | tinyint(4) | |
| formdir | longtext | Directory of the form |

lists

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|--------------------------------------|
| id | bigint(20) | ID of the entry |
| date | datetime | Date the entry was made |
| type | varchar(255) | Allergy, immunization, or medication |
| title | varchar(255) | Quick list title |
| activity | tinyint(4) | Active or inactive |
| comments | longtext | Additional comments |
| pid | bigint(20) | ID of the patient |
| user | varchar(255) | The user who made the entry |
| groupname | varchar(255) | The group of the user |

log

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|----------------------------------|
| id | bigint(20) | ID of the entry |
| date | datetime | Date the entry was made |
| event | varchar(255) | view, login, or logout |
| user | varchar(255) | The name of the user |
| groupname | varchar(255) | The group of the user |
| comments | longtext | the page name when event is view |
| user_notes | longtext | |

onotes

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|----------------------------|
| id | bigint(20) | ID of the entry |
| date | datetime | Date the entry was made |
| body | longtext | The body of the note |
| user | varchar(255) | The user who made the note |
| groupname | varchar(255) | The group of that user |
| activity | tinyint(4) | Activity state of the note |

pnotes

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|-------------------------------------|
| id | bigint(20) | ID of the entry |
| date | datetime | Date the entry was made |
| body | longtext | The body of the note |
| pid | bigint(20) | ID of the patient the note is for |
| user | varchar(255) | The user who made the note |
| groupname | varchar(255) | The group of that user |
| activity | tinyint(4) | The activity state of the note |
| authorized | tinyint(4) | The authorization state of the note |

transactions

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|-------------------------------|
| id | bigint(20) | ID of the entry |
| date | datetime | Date the entry was made |
| title | varchar(255) | Title of the transaction |
| body | longtext | Body of the transaction |
| pid | bigint(20) | ID of the patient |
| user | varchar(255) | User who made the transaction |
| groupname | varchar(255) | Group of that user |
| authorized | tinyint(4) | Authorization state |

users

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------|--------------|--------------------------|
| id | bigint(20) | ID of the user |
| username | varchar(255) | The user's username |
| password | longtext | MD5 hash of the password |
| authorized | tinyint(4) | Authorization state |
| info | longtext | Comment about the user |
| source | tinyint(4) | Source state |
| realname | longtext | The user's real name |

history_data

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|--------------------------------|-------------|--------------------|
| id | bigint(20) | ID of entry |
| coffee | longtext | |
| tobacco | longtext | |
| alcohol | longtext | |
| sleep_patterns | longtext | |
| exercise_patterns | longtext | |
| seatbelt_use | longtext | |
| counseling | longtext | |
| hazardous_activities | longtext | |
| last_breast_exam | datetime | |
| last_mammogram | datetime | |
| last_gynecological_exam | datetime | |
| last_rectal_exam | datetime | |
| last_prostate_exam | datetime | |
| last_sigmoidoscopy_colonoscopy | datetime | |
| history_mother | longtext | |
| history_father | longtext | |
| history_siblings | longtext | |
| history_offspring | longtext | |
| history_spouse | longtext | |
| relatives_cancer | longtext | |
| relatives_tuberculosis | longtext | |
| relatives_diabetes | longtext | |
| relatives_high_blood_pressure | longtext | |
| relatives_heart_problems | longtext | |
| relatives_stroke | longtext | |
| relatives_epilepsy | longtext | |
| relatives_mental_illness | longtext | |
| relatives_suicide | longtext | |
| cataract_surgery | tinyint(4) | |
| tonsillectomy | tinyint(4) | |
| cholecystectomy | tinyint(4) | |
| heart_surgery | tinyint(4) | |
| hysterectomy | tinyint(4) | |
| hernia_repair | tinyint(4) | |
| hip_replacement | tinyint(4) | |
| knee_replacement | tinyint(4) | |
| date | datetime | Date entry made |
| pid | bigint(20) | ID of patient |
| appendectomy | tinyint(4) | |

insurance_data

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|---------------------------------|--------------|--------------------|
| id | bigint(20) | ID of entry |
| type | varchar(255) | |
| provider | varchar(255) | |
| policy_number | varchar(255) | |
| group_number | varchar(255) | |
| subscriber | varchar(255) | |
| subscriber_relationship | varchar(255) | |
| subscriber_ss | varchar(255) | |
| subscriber_DOB | datetime | |
| subscriber_street | varchar(255) | |
| subscriber_postal_code | varchar(255) | |
| subscriber_city | | |
| subscriber_state | varchar(255) | |
| subscriber_country | varchar(255) | |
| subscriber_employer | varchar(255) | |
| subscriber_employer_street | varchar(255) | |
| subscriber_employer_postal_code | varchar(255) | |
| subscriber_employer_state | varchar(255) | |
| subscriber_employer_country | varchar(255) | |
| copay | varchar(255) | |
| date | datetime | Date of entry |
| pid | bigint(20) | ID of patient |

patient_data

| <u>Field</u> | <u>Type</u> | <u>Description</u> |
|----------------------|--------------|------------------------|
| id | bigint(20) | ID of entry |
| title | varchar(255) | Mr., Mrs., etc. |
| fname | varchar(255) | First name |
| lname | varchar(255) | Last name |
| mname | varchar(255) | Middle name |
| DOB | datetime | Date of Birth |
| street | varchar(255) | |
| postal_code | varchar(255) | |
| city | varchar(255) | |
| state | varchar(255) | |
| country_code | varchar(255) | |
| ss | varchar(255) | Social Security Number |
| occupation | longtext | |
| phone_home | varchar(255) | |
| phone_biz | varchar(255) | |
| phone_contact | varchar(255) | |
| contact_relationship | varchar(255) | |
| date | datetime | Date of entry |
| sex | varchar(255) | |
| pid | bigint(20) | ID of patient |