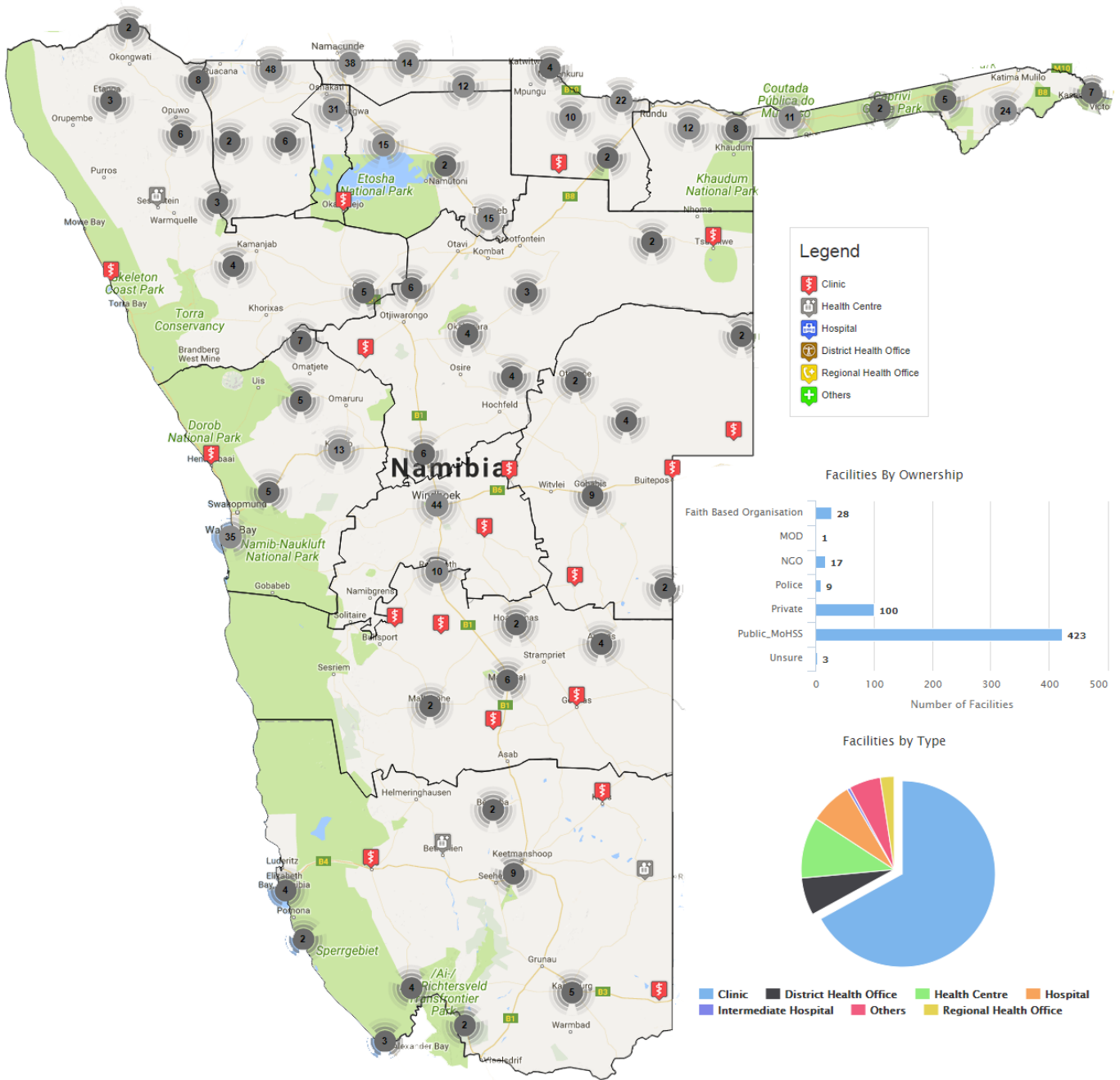


# NAMIBIA MASTER HEALTH FACILITY LIST

## DATA DICTIONARY

MAY 2018





## Document History

Version	Date	Changes Made	Author
1.0	14 May 2018	Updates for v1.0 Handover	Steve Ollis, MCSP <a href="mailto:steve.ollis@mcsprogram.org">steve.ollis@mcsprogram.org</a>

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## DATA DICTIONARY

KEY (Primary/ Foreign)	Name	Description	Data Type	Size	Range/ Restrictions/ Default value	Uniqu e	Mandator y
	<data name>	<full description>	< eg: Integer, Number, Character, Text, Date, Time, Currency, etc.>	<specify max length >	<if required>	Yes/No	Yes/No
Location tables							
locations: regions, districts and facilities are found in the "locations" table which is a hierarchy structured database table of all locations. The child-parent relationship is defined the "parent_id" column in addition to "lft", "rht" columns to further define the relationship. The type of location is defined by "location_type_id" which is a linking column to location type definition table "location_types".							
Primary	id	Location code (unique identifier)	INT	10		Yes	Yes
Foreign	parent_id	Code of parent location (unique identifier)	INT	11	Default = NULL	No	No
Foreign	location_type_id	Foreign key to location_types table	INT	10		No	Yes
Foreign	facility_type_id	Foreign key to facility_types table	INT	10	Default = NULL	No	No
Foreign	facility_ownership_id	Foreign key to location_ownerships table	INT	10	Default = NULL	No	No
	name	Name of the location	Varchar	255		No	Yes
	long_name	Long name of the location (deprecated)	Varchar	100	Default = NULL	No	No
	location_comment	Any comments about the location	Text	text	Default = NULL	No	No
	active	1 for active locations; 0 for inactive locations	tinyint	1	Default = 1	No	Yes
	contact_person	contact person for the location	Varchar	255	Default = NULL	No	No
	phone_number	phone number for the location	INT	10	Default = NULL	No	No
	alt_phone_number	alternate phone number for the location	INT	10		No	No
	address	address of the location	Varchar	255	Default = NULL	No	No

	catchment_population	catchment population for the location	INT		11	Default = NULL	No	No
	point_x	Defines the latitude of the facility on a map	double	double		Default = NULL	No	No
	point_y	Defines the longitude of the facility on a map	double	double		Default = NULL	No	No
	bCBHW	Deprecated field	INT		10	Default = NULL	No	No
	rural	1 for rural locations; 0 for non-rural locations	tinyint		1	Default = NULL	No	No
	electricity	1 for locations with electricity; 0 for locations without electricity	tinyint		1	Default = NULL	No	No
	nCBHW	Deprecated field	INT		10	Default = NULL	No	No
	bHEW	Deprecated field	INT		10	Default = NULL	No	No
	nHEW	Deprecated field	INT		10	Default = NULL	No	No
	lft	Defines node before current node	INT		11	Default = NULL	No	No
	right	Defines node after current node	INT		11	Default = NULL	No	No
	created	Date-time the location was created	Timestamp	timestamp		default = current timestamp	No	Yes
	modified	Date-time the location was last modified	Timestamp	timestamp		default = '0000-00-00 00:00:00'	No	Yes
location_types: this table stores the different levels of locations								
Primary	id	Location type id	int		10		Yes	Yes
	name	Defines the type of location (national, region, district, facility)	varchar		45		Yes	Yes
facility_types: this table stores the different types of facilities								
Primary	id	Facility type id	int		10		Yes	Yes
	name	Defines the type of facility (hospital, health centre, clinic, rehab centre, laboratory, prison, regional health office, district health office, intermediate hospital, CBART, mobile van)	varchar		45		No	Yes

	description	Describes the facility type	varchar	45	default = NULL	No	No
	created	Date-time the location was created	timestamp	timestamp	default = current timestamp	No	Yes
	modified	Date-time the location was last modified	timestamp	timestamp	default = '0000-00-00 00:00:00'	No	Yes
location_ownerships: this table stores the different facility ownership types							
Primary	id	Location ownership ID	int	10		Yes	Yes
	name	Defines the type of facility ownership (faith based organisation, MOD, NGO, police, private, public_MoHSS, unsure)	varchar	100		No	Yes
	description	Description of location ownership	mediumtext	mediumtext	default = NULL	No	No
	created	Date-time the location was created	timestamp	timestamp	default = current timestamp	No	Yes
	modified	Date-time the location was last modified	timestamp	timestamp	default = '0000-00-00 00:00:00'	No	Yes
services: this table lists all services provided at facilities							
Primary	id	Service id (unique identifier)	INT	10		Yes	Yes
	name	Service name (HIV Testing Services, General Clinical Service, Expanded Programme on Immunizations, Anti Retroviral Therapy Main Site, Preventing Mother To Child Transmission Services, Special surgeries (Transplant,plastic surgery, neuro surgery etc.), Speech Therapy, Viral Load Testing, Sexual Transmitted Infections, General Dentistry, Orthopedics, Anti Retroviral Therapy IMAI Site, Laboratory Services, Ante Natal Clinic Services, Family Planning	varchar	255		No	Yes

		Services, Anti Retroviral Therapy Outreach Site, Tuberculosis Services, Occupational Therapy, Dieticians/Nutritionist, Oncology, Radiology, Specialized Dentistry, Physiotherapy, Psychiatric Services, Ophthalmology & Eye Surgery, Clinical Psychology, Option B+, DNA EID Testing)					
	short_name	Service short name or abbreviation	varchar	45	default = NULL	No	No
	active	1 for active services; 0 for inactive services	tinyint	4	default = 0	No	Yes
	created	Date-time created	Timestamp	timestamp	default = current timestamp	No	Yes
	modified	Date-time modified	Timestamp	timestamp	default = '0000-00-00 00:00:00'	No	Yes
locations_services: this is a linkage table between locations and services							
Primary	ID	locations_services id (unique identifier)	INT	10		No	Yes
Foreign	location_id	Foreign key to locations table	INT	10		No	Yes
Foreign	service_id	Foreign key to services table	INT	10		No	Yes
	created	Date-time created	Timestamp	timestamp	default = current timestamp	No	Yes
	modified	Date-time modified	Timestamp	timestamp	default = '0000-00-00 00:00:00'	No	Yes
infrastructures: this table lists all infrastructures available at facilities							
Primary	ID	Infrastructure id (unique identifier)	INT	10		Yes	Yes
	name	Infrastructure name (Ambulances, Beds, Mortuary, Electricity, Running Water, Health Extension Workers, Back Up Generator, Toilets, Internet,	varchar	255		No	Yes

		Phone Number, Fax Number, Computers, Vehicles, Enrolled Nurses, Registered Nurses, Health Assistants, Doctors, Administrative Officers)					
	short_name	Infrastructure short name or abbreviation	varchar	45	default = NULL	No	No
	active	1 for active infrastructures; 0 for inactive infrastructures	tinyint	4	default = 1	No	Yes
	created	Date-time created	Timestamp	timestamp	default = current timestamp	No	Yes
	modified	Date-time modified	Timestamp	timestamp	default = '0000-00-00 00:00:00'	No	Yes
locations_infrastructures: this is a linkage table between locations and infrastructures							
Primary	ID	locations_infrastructures id (unique identifier)	INT	10		Yes	Yes
Foreign	location_id	Foreign key to locations table	INT	10		No	Yes
Foreign	infrastructure_id	Foreign key to infrastructures table	INT	10		No	Yes
	count	Count of a given infrastructure at a given location	INT	11	default = 1	No	No
	created	Date-time created	Timestamp	timestamp	default = current timestamp	No	Yes
	modified	Date-time modified	Timestamp	timestamp	default = '0000-00-00 00:00:00'	No	Yes
facility_sections: this table lists all sections that are available at facilities							
Primary	ID	facility section id (unique identifier)	INT	10		Yes	Yes
	name	Name of facility section	varchar	45		No	Yes
	description	Description of facility section	varchar	45	default = NULL	No	No
	created	Date-time created	timestamp	timestamp	default = current timestamp	No	Yes
	modified	Date-time modified	timestamp	timestamp	default = '0000-00-00 00:00:00'	No	Yes



locations_facility_sections: this is a linkage table between locations and facility sections							
Primary	id	locations_facility_sections id (unique identifier)	INT		10		Yes Yes
Foreign	location_id	Foreign key to locations table	INT		10		No Yes
Foreign	section_id	Foreign key to facility_sections table	INT		10		No Yes
locations_classifications: this is a lookup table for facilities metadata							
Primary	id	location_classifications id (unique identifier)	int		10		Yes Yes
Foreign	location_id	foreign key to locations table	int		10		No Yes
Foreign	facility_type_id	foreign key to facility_types table	int		10		No Yes
Foreign	location_ownership_id	foreign key to location_ownerships table	int		10		No Yes
	count	how many groups/classifications the facility belongs to (most belong to only 1)	tinyint		1	default = 1	No Yes
	created	Date-time created	timestamp	timestamp		default = current timestamp	No Yes
	modified	Date-time modified	timestamp	timestamp		default = '0000-00-00 00:00:00'	No Yes
locations_groups: this table lists different groups of locations **functionality exists, but this table is not in current use by the system**							
Primary	id	location_groups id (unique identifier)	int		11		Yes Yes
	name	Name of location group	varchar		50	default = NULL	No No
	description	Description of location group	mediumtext	mediumtext		default = NULL	No No
	created	Date-time created	timestamp	timestamp		default = NULL	No Yes
	modified	Date-time modified	timestamp	timestamp		default = NULL	No Yes
User tables							
users: this table stores information on all system users							
Primary	id	user id (unique identifier)	int		11		Yes Yes

Foreign	user_group_id	foreign key to user_groups table	varchar		256	default = NULL	No	No
	username	user's username	varchar		100	default = NULL	Yes	Yes
	password	user's password	varchar		255	default = NULL	No	No
	email	user's email address	varchar		100	default = NULL	No	No
	first_name	user's first name	varchar		100	default = NULL	No	No
	last_name	user's last name	varchar		100	default = NULL	No	No
	gender	user's gender	varchar		20	default = NULL	No	No
	photo	user's photo	varchar		50	default = NULL	No	No
	contact_number	user's contact number	varchar		11	default = NULL	No	No
	active	1 for active user; 0 for inactive user	int		1	default = 0	No	No
	email_verified	1 for verified email address; 0 for unverified email address	int		1	default = 0	No	Yes
	last_login	date-time when the user last logged in	datetime	datetime		default = NULL	No	No
	ip_address	user's ip address as last log in	varchar		50	default = NULL	No	No
	created	date-time when user was created	datetime	datetime		default = NULL	No	Yes
	modified	date-time when user was modified	datetime	datetime		default = NULL	No	Yes
	created_by	user id of person who created this user	int		11	default = NULL	No	No
	modified_by	user id of last person to modify this user	int		11		No	No
user_groups: this table lists the different user groups/roles								
Primary	id	user groups id (unique identifier)	int		11		Yes	Yes
	parent_id	parent user group id (if group is a sub-group)	int		11	default = 0	No	Yes
	name	name of user group (admin, data capturer, data reviewer, data verifier, guest)	varchar		100	default = NULL	No	Yes
	description	description of user group	text	text		default = NULL	No	No
	registration_allowed	whether or not this user group is allowed to register on the	int		1	default = 1	No	Yes

		platform (0=allowed; 1= not allowed)					
	created	date-time created	datetime	datetime	default = NULL	No	Yes
	modified	date-time modified	datetime	datetime	default = NULL	No	Yes
user_group_permissions: this table stores the permissions for each user group/role							
Primary	id	user group permissions id (unique identifier)	int	11		Yes	Yes
Foreign	user_group_id	foreign key to user_groups table	int	11		No	Yes
	prefix	description of permission group	varchar	256	default = NULL	No	No
	plugin	plugin name	varchar	50	default = NULL	No	No
	controller	controls logic and interactions between models and views	varchar	50		No	Yes
	action	a specific action (e.g., edit, view, delete)	varchar	100		No	Yes
	allowed	1 = user is allowed to complete that action; 0 = user not allowed to complete that action	int	1	default = 1	No	Yes
user_activities: this table is a mini audit trail for each user							
Primary	id	user_activities id (unique identifier)	int	11		Yes	Yes
	useragent	user session token	varchar	256		No	Yes
	user_id	user id	int	11	default = NULL	No	No
	last_action	user's last action	int	11		No	Yes
	last_url	last url visited by user	text	text	default = NULL	No	No
	user_browser	browser used by user	text	text	default = NULL	No	No
	ip_address	user's last ip address	varchar	50	default = NULL	No	No
	logout	user's last log out	int	11	default = 0	No	Yes
	deleted	whether user deleted anything (0 = didn't delete; 1 = deleted)	int	1	default = 0	No	Yes
	created	date-time when this record created	datetime	datetime	default = NULL	No	Yes
	modified	date-time when this record modified	datetime	datetime	default = NULL	No	Yes

user_sessions: this table stores every user session								
Primary	id	user_session id (unique identifier)	varchar		255	DEFAULT = "	Yes	Yes
	data	all session data for this session	text	text			No	Yes
	expires	when the session expires	int		11	default = NULL	No	No
Communication tables								
email: this table keeps a record of all system emails sent to users								
Primary	id	email id (unique identifier)	int		11		Yes	Yes
	subject	email subject	varchar		255		No	Yes
	body	email body	longtext	longtext			No	No
	recipients	email recipients	varchar		255		No	Yes
	sent	whether or not the email was sent	int		11		No	Yes
	sent_by	user who sent the email	varchar		255		No	Yes
	email_read	whether or not the email was read (1 = read; 0 = not read)	int		11		No	Yes
	important	whether or not the email is important (1 = important; 0 = not important)	int		11		No	Yes
	created	date-time created	datetime	datetime			No	Yes
	modified	date-time modified	datetime	datetime			No	Yes
	cc	copied recipients	varchar		255	default = NULL	No	No
	bcc	blind copied recipients	varchar		255	default = NULL	No	No
Foreign	email_type_id	foreign key to email_types table	int		11		No	Yes
	archive	whether or not the email was archived (1 = archived; 0 = not archived)	int		11		No	Yes
email_type: this table lists the different types of emails that can be sent to users								
Primary	id	email type id (unique identifier)	int		11		Yes	Yes
	name	designates email type (default, newsletter, notification)	varchar		255		No	Yes

user_emails: this table stores all emails sent by users							
Primary	id	user_emails id (unique identifier)	int		11		Yes Yes
	type	type of email	varchar		50	default = NULL	No No
	user_group_id	user group that the email was sent to	varchar		256	default = NULL	No No
	cc_to	copied recipients	text	text		default = NULL	No No
	from_name	name in "from" field of the email	varchar		200	default = NULL	No No
	from_email	email address in "from" field of the email	varchar		200	default = NULL	No No
	subject	email subject	varchar		500	default = NULL	No No
	message	email message contents	text	text		default = NULL	No No
	sent_by	id of user who sent the email	int		11	default = NULL	No No
	created	date-time created	datetime	datetime		default = NULL	No Yes
	modified	date-time modified	datetime	datetime		default = NULL	No Yes
user_email_recipients: this table stores the metadata of sent emails							
Primary	id	user_email_recipients id (unique identifier)	int		11		Yes Yes
Foreign	user_email_id	foreign key to user_emails table	int		11		No Yes
Foreign	user_id	foreign key to users table	int		11	default = NULL	No Yes
	email_address	email address of user who sent the email	varchar		100		No Yes
	is_email_sent	whether or not the email has been sent (1 = sent; 0 = not sent)	int		1	default = 0	No Yes
user_email_signatures: this table stores all user email signatures							
Primary	id	user_email_signatures id (unique identifier)	int		11		Yes Yes
Foreign	user_id	foreign key to users table	int		11		No Yes
	signature_name	name of signature	varchar		100		No Yes
	signature	signature body/text	text	text		default = NULL	No No
	created	date-time created	datetime	datetime		default = NULL	No No
	modified	date-time modified	datetime	datetime		default = NULL	No No

user_email_templates: this table stores any user-created email templates								
Primary	id	user_email_templates id (unique identifier)	int	11		Yes	Yes	
Foreign	user_id	foreign key to users table	int	11		No	Yes	
	template_name	name of email template	varchar	100		No	Yes	
	header	template header	text		text	default = NULL	No	No
	footer	template footer	text		text	default = NULL	No	No
	created	date-time created	datetime		datetime	default = NULL	No	No
	modified	date-time modified	datetime		datetime	default = NULL	No	No
attachments: this table stores all email attachments sent from the system								
Primary	id	attachment id (unique identifier)	int	10		Yes	Yes	
	filename	filename of the attachment	varchar	45		default = NULL	No	No
Foreign	email_id	foreign key to email table	int	10		No	Yes	
user_contacts: this table stores information on feedback written to the administrator								
Primary	id	user_contacts id (unique identifier)	int	11		Yes	Yes	
	user_id	user who provided feedback	int	11		default = NULL	No	No
	name	name of user	varchar	100		default = NULL	No	No
	email	email address of user	varchar	100		default = NULL	No	No
	phone	phone number to contact user	varchar	20		default = NULL	No	No
	requirement	feedback message	text		text	default = NULL	No	No
	reply_message	administrator response to the user	text		text	default = NULL	No	No
	created	date-time created	datetime		datetime	default = NULL	No	No
	modified	date-time modified	datetime		datetime	default = NULL	No	No
scheduled_emails: this table store information on emails that are scheduled to go out from the system								
Primary	id	scheduled_email id (unique identifier)	int	11		Yes	Yes	
	user_email_id	user_emails id	int	11		default = NULL	No	No
	type	type of email	varchar	50		default = NULL	No	No

	user_group_id	user group that the email is sent to	varchar	256	default = NULL	No	No
	cc_to	copied recipients	text	text	default = NULL	No	No
	from_name	name in "from" field of email	varchar	200	default = NULL	No	No
	from_email	email address in "from" field of email	varchar	200	default = NULL	No	No
	subject	email subject	varchar	500	default = NULL	No	No
	message	email message contents	text	text	default = NULL	No	No
	schedule_date	date-time email is scheduled to be sent	datetime	datetime	default = NULL	No	No
	is_sent	whether or not email was sent (1 = sent; 0 = not sent)	int	1	default = 0	No	Yes
	scheduled_by	user id of person who scheduled the email	int	11	default = NULL	No	No
	created	date-time created	datetime	datetime	default = NULL	No	Yes
	modified	date-time modified	datetime	datetime	default = NULL	No	Yes
scheduled_email_recipients: this table stores information on recipients of scheduled emails							
Primary	id	scheduled_email_recipients id (unique identifier)	int	11		Yes	Yes
Foreign	scheduled_email_id	foreign key to scheduled_emails table	int	11			Yes
	user_id	user id of person who scheduled the email	int	11	default = NULL		No
	email_address	email address of recipient	varchar	100			Yes
	is_email_sent	whether or not the email was sent (1 = sent; 0 = not sent)	int	1	default = 0		Yes
System settings tables							
user_settings: this table stores the web application settings							
Primary	id	user_setting id (unique identifier)	int	11		Yes	Yes
	name	name of the setting	varchar	100	default = NULL	No	No
	display_name	display name of the setting on the platform	varchar	1024	default = NULL	No	No
	value	value of setting	text	text	default = NULL	No	No

	type	type of setting	varchar		50	default = NULL	No	No
	category	setting category	varchar		20	default = OTHER	No	No
setting_options: this table stores settings for text input forms on the application								
Primary	id	setting_option id (unique identifier)	int		11		Yes	Yes
	title	name of the setting option	varchar		256		No	Yes
	created	date-time created	datetime	datetime		default = NULL	No	Yes
	modified	date-time modified	datetime	datetime		default = NULL	No	Yes
user_setting_options: this is a joining table between user_settings and settings_option								
Primary	id	user_setting_options id (unique identifier)	int		11		Yes	Yes
Foreign	user_setting_id	foreign key to user_settings table	int		11		No	Yes
Foreign	setting_option_id	foreign key to setting_options table	int		11		No	Yes
	created	date-time created	datetime	datetime		default = NULL	No	Yes
	modified	date-time modified	datetime	datetime		default = NULL	No	Yes
audit_trails: this table tracks every update made to objects								
Primary	id	audit_trails id	int		10		Yes	Yes
Foreign	object_id	id of object that was updated	int		10		No	Yes
	object_name	name of object that was updated	varchar		255	default = NULL	No	No
	user_id	id of user who updated the object	int		10		No	Yes
	action	action performed	varchar		45	default = submit	No	Yes
	message	summary of transaction performed	longtext	longtext		default = NULL	No	No
	data	JSON encoded POST or GET data of the action	text	text		default = NULL	No	No
	created	date-time created	timestamp	timestamp		default = current timestamp	No	Yes
	modified	date-time modified	timestamp	timestamp		default = '0000-00-00 00:00:00'	No	Yes



static_pages: this table stores information on webpages that don't (or rarely) change							
Primary	id	static page id (unique identifier)	int	11		Yes	Yes
	page_name	name of static page	text	text	default = NULL	No	Yes
	url_name	url of static page	text	text	default = NULL	No	Yes
	page_content	page content	text	text	default = NULL	No	No
	page_title	title of page	text	text	default = NULL	No	No
	created	date-time created	datetime	datetime	default = NULL	No	Yes
	modified	date-time modified	datetime	datetime	default = NULL	No	Yes