

## 20.03. Field descriptions

The following tables list the main data tables in mSupply (there are some others, but we're not telling you about those!). This information will help you if you are building your own reports.

Note that if a field is indexed, finding information (querying) using that field will be very quick.

### Main tables

Table	Description
<a href="#">Transactions</a>	A transaction record is stored for each invoice
<a href="#">Transaction lines</a>	one transaction line record is created for each line on an invoice
<a href="#">Items</a>	An item record is created for each product or service purchased or supplied
<a href="#">item_line</a>	Each batch of stock at a particular location has one item_line record
<a href="#">Names</a>	Each patient, customer or supplier has one name record
<a href="#">Purchase Orders</a>	One record is created for each purchase order to a supplier
<a href="#">Purchase Order Lines</a>	Each record is an order for one item on a purchase order
<a href="#">Quotes and Quote Lines</a>	Quotations submitted by suppliers
<a href="#">Tenders and Tender Lines</a>	Tenders created to invite quote submissions from suppliers
<a href="#">Requisitions</a>	Tables that store customer submitted stock and order data
<a href="#">Stock take and Stock take lines</a>	Stock takes and their related records
<a href="#">Store</a>	Information about a particular virtual store
<a href="#">Drug_Register</a>	Drug Registration records (for use in the Drug Registration module)
<a href="#">Aggregator</a>	Stored metrics for use in reports

### Foreign Keys

[Get your Foreign Keys here.](#)

### Other tables

Table	Description
<a href="#">Abbreviations</a>	Stores abbreviation codes and their expansion for dispensing directions
<a href="#">Account_code</a>	Stores account codes associated with each item
<a href="#">Authorisations</a>	Tables that store authorisers and pending authorisations
<a href="#">Backorders</a>	One record for <i>Customer</i> backorder.
<a href="#">Bill of Materials</a>	One record for each mSupply user
<a href="#">Contacts</a>	One record for each contact
<a href="#">Currency</a>	One record for each currency
<a href="#">Drug interactions</a>	Drug interactions and Drug interaction groups
<a href="#">Item Categories</a>	One record for item category
<a href="#">Labels</a>	Miscellaneous labels
<a href="#">Location</a>	Each record contains one shelf location.

Table	Description
Log	Each record contains one event recorded by mSupply
Users	One record for each mSupply user
Item Departments	The departments that an item can be assigned to
Item Directions	The default directions that are assigned to items
Item notes	The notes that are attached to items
Item Warning Link	A join table that stores which items have which warnings
Name category tables	Tables that store the categories that can be assigned to names (customers, suppliers, donors, manufacturers etc.)
Prescribers	One record for each prescriber
Regimen records, Regimen and Regimen Lines	Everything to do with storing ARV regimen records
Reminders	A reminder is an event with a due date- like a to-do
Stores	Stores and join tables that control access per-store
Warnings	The warnings which can be attached to items
Custom stock fields	Holds the details of the values that are selectable in the 5th - 8th user fields when receiving stock

## Tables used internally that you most likely shouldn't be interested in

Table	Description
Number and Number re-use	Stores serial numbers such as invoice numbers
Preferences	The data for each preference is in binary format. You're not interested.

### Item store join

Field name	Description	Type	Length	Ind
Note that records are created for each item- there should always be one record for each item in each store				
id		Text		
store_ID		Text		
item_ID		Text		
inactive	true means item is not visible in this store. False means it is visible	bool		

### Name store join

Field name	Description	Type	Length	Ind
Note that records are only created as needed- that is a missing record implies the name is invisible for that store				
id		Text		
store_ID		Text		
name_ID		Text		
inactive	true means name is not visible in this store. False means it is visible	bool		

### Name group

Field name	Description	Type	Length	Ind
id		Text		
name		Alpha	40	

### Name note

Field name	Description	Type	Length	Ind
note_type		Alpha	3	

<b>Name note</b>					
<b>Field name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Ind</b>	
entry_date		Date			
note		Text			
name_key		Alpha 8			
id		Text			

<b>Permissions</b>					
<b>Field name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Ind</b>	
item_dept_id		Text			
name_group_id	Stores which name groups have permission to be supplied which item departments	Text			

<b>Prefs</b>					
<b>Field name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Ind</b>	
item	Internally used: storing preferences of text type(Now deprecated in favour of pref blob)	Alpha	20		
value		Alpha	60		

<b>Reports</b>					
<b>Field name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Ind</b>	
report_name		Alpha	80		
report_blob		BLOB			
owner_ID		Text			
id		Text			
last_updated		Date			

## Ship method

<b>Field name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Ind</b>	
id		Text			
method		Alpha	80		

## Sync out

<b>Field name</b>	<b>Description</b>	<b>Type</b>	<b>Length</b>	<b>Ind</b>	
id		Text			
type	I=insert, U=update, D=delete, M=merge, T=transfer	Alpha	2		
record_id	ID of the record to be synced	Text			
to_from_id	sync site ID to send the record	Long			
store_id	if store-specific data, the store ID for the record. For example a remote sync site might have multiple stores. If this sync_out record is for a transact record, the Store_ID that it's for. Can be blank	Text			
record_data	(deprecated)	BLOB			
table_num	Internal table number of the record	Long			
sequence	Integer for correct sync ordering	Long			
table_id_num	Internal field number for the ID field of the record's table	Long			
merge_ID_to_keep	ID of record being kept in merge	Text			
merge_ID_to_delete	ID of record being deleted in merge	Text			

## Transaction category

Field name	Description	Type	Length	Ind
id		Text		
category		Alpha	80	
type	“ci” for customer invoices “pi” for prescriptions “cc” for customer credits “si” for supplier invoices “sc” for supplier credits “sr” for repacks “bu” for builds “in” for inventory adjustments	Alpha	3	

## Transaction Notes

Field name	Description	Type	Length	Ind
id		Text		
note		Text		

## Units

Field name	Description	Type	Length	Ind
id		Text		
units		Alpha	60	
comment		Text		

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