

How to correct wrong packsizes

Within a warehouse or pharmacy, it is quite common for procurement managers to introduce bulk stock into mSupply and then for the dispenser to issue the bulk stock wrongly to the customer or patient. So physically the bulk stock may have been broken down to smaller pack sizes and distributed but this activity may not have been registered properly within mSupply.

In an warehouse environment, bulk stock from the supplier may have been received and the stock may have been issued by the dispenser without paying attention to the pack sizes. An administrator may have forgotten to carry out a “Repack” or “Split” process within mSupply.

In an pharmacy environment, the above could also be true. However, most users tend to rely on the stock being introduced to the system in the correct pack sizes (suitable for patient consumption) and when this is not done, the dispenser simply issues stock with large pack sizes.

In both cases the customer or patient receives drug quantities that tend to be less than what mSupply says. Depending on the user permission allocated to an mSupply user, the pack sizes can be corrected. However we emphasise that our clients should take measures to ensure that these errors do not occur frequently. Only high level users should have the appropriate user permissions to carry out the task below.

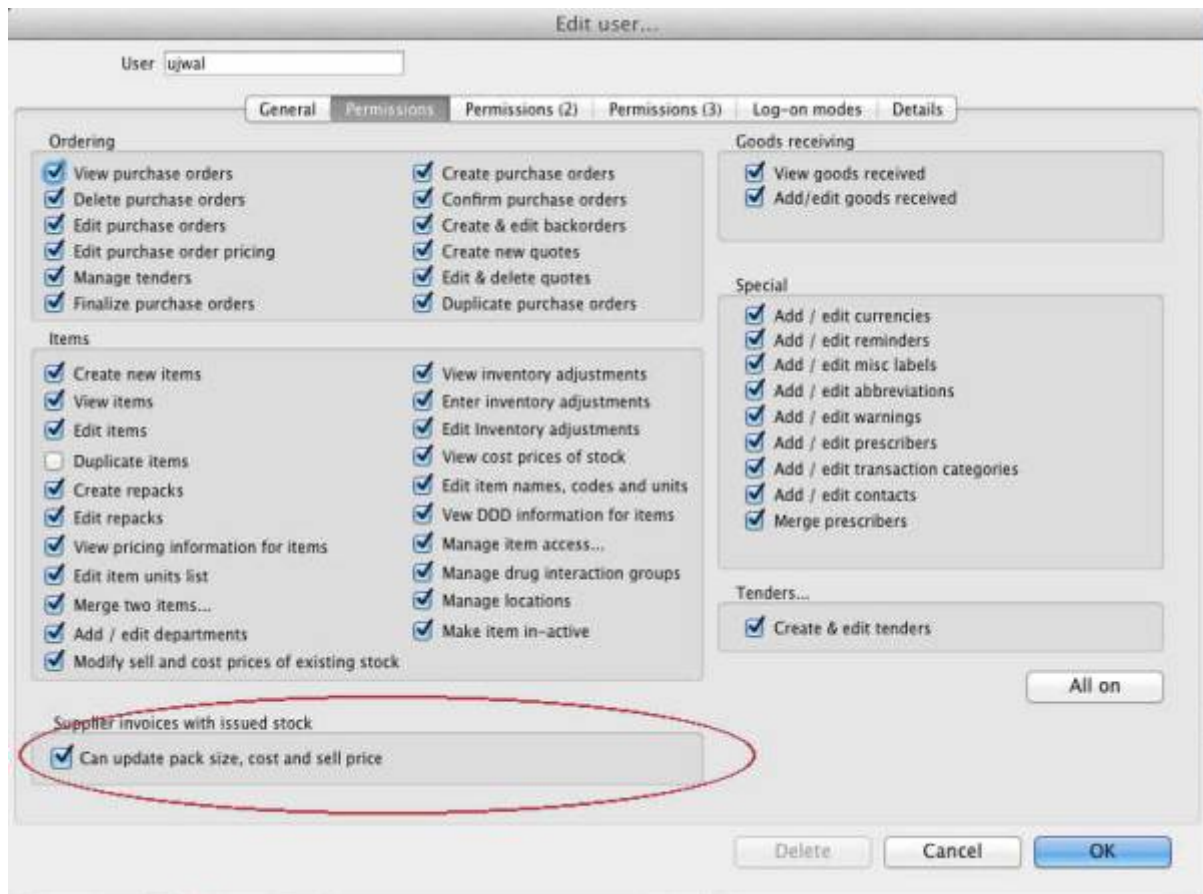
User permissions

Firstly to correct pack sizes you need to have the following user permission :

- Can update pack size, cost and sell price

Do the following :

- View File > Edit Users...
- Double click on the user that requires the right to correct pack size mistakes.
- View the “Permissions” tab
- Make sure the permission “Can update pack size, cost and sell price” is ticked (see image below)



Locating the item

For this tutorial let's assume that we are inside a pharmacy where Amoxicillin 250mg tab/cap should have been introduced as single tablets rather than boxes of 100 tablets. The pharmacy never has to dispense the whole bottle (100 tablets) to one patient.

View the item where the pack size needs to be adjusted :

- Item > Show items... from the mSupply menu. Use the search filter
- Navigate to the item in the list and double click.
- Go to the "stock" section. View the image below:

Item details...

Item name: Amoxicillin 250mg tab/cap

Store: General

Buttons: Show zero lines, Print, Split, Update sell prices, Show related invoices, Consolidate

| Line | Available | Total | Pack | Hold | Batch | Expiry | Supplier | Manufacturer | Location | Cost Price | Sell Price | Status | Total Volume |
|------|-----------|--------|------|------|--------|------------|----------|--------------|----------|------------|------------|--------|--------------|
| 1 | 3 | 13 | 100 | | b39399 | 01/01/2008 | ar buck | | A | 343.00 | 343.00 | | 0 |
| 2 | 100000 | 100000 | 1 | | b93333 | 31/12/2014 | acmep | | | 344.00 | 378.40 | | 0 |

Stock

Minimum stock: 0 Total stock value: 34,404,459.00

Stock on hand: 101,300 Average unit cost: 339.62

Stock on order: 0 Total Volume: 0.00

Months Cover

Based on: 0 months usage: Calculate

Exclude stock with expiry date less than: 3 months

Generating an order for: 0 days stock

will order a quantity of: 0

Buttons: Delete, OK & Previous, OK & Next, Cancel, OK

The image above shows that a batch of Amoxicillin 250mg tab/cap has been received in packs of "100".

Double click on this stock line and view the ledger associated with this batch:

Item stock line details...

Item code: amo250t Item name: Amoxicillin 250mg tab/cap

Buttons: General, Ledger, Status, Reference documents

Quantity according to stock

Total Quantity: 1300 Available: 300

| Date | Invoice | Name | Type | In/Out | Stat | Expiry | Batch | Quan | Pack | Cost | Sell | Exten |
|------------|---------|------------------|------|--------|------|------------|--------|------|------|------|------|--------|
| 05/02/2007 | 10 | Arbuckle distrib | si | in | cn | 01/01/2008 | b39399 | 200 | 100 | 343 | 343 | 68600 |
| | 15 | Pharmacy | ci | out | sg | 01/01/2008 | b39399 | 10 | 100 | 343 | 343 | 3430 |
| 24/05/2011 | 16 | Blue Cross hosp | ci | out | cn | 01/01/2008 | b39399 | 100 | 100 | 343 | 343 | 34300 |
| 24/05/2011 | 16 | Inventory adjust | sc | out | cn | 01/01/2008 | b39399 | 80 | 100 | 343 | 343 | -27440 |
| 13/02/2012 | 17 | Smith, John | ci | out | cn | 01/01/2008 | b39399 | 5 | 100 | 343 | 343 | 1715 |
| 13/02/2012 | 18 | Parker, Jennie | ci | out | cn | 01/01/2008 | b39399 | 2 | 100 | 343 | 343 | 686 |

Item stock line ledger

Total Quantity: 1300 Available: 300

Reconcile from start of year

Total Quantity: 1300 Available: 300

Buttons: Reconcile, Cancel, OK

The image above shows that two patients (John Smith and Jennie Parker) were issued in total 500 and 200 tablets when the correct amount should have been 5 and 2 tablets. Let's assume that the pack size on all should in fact be "1"

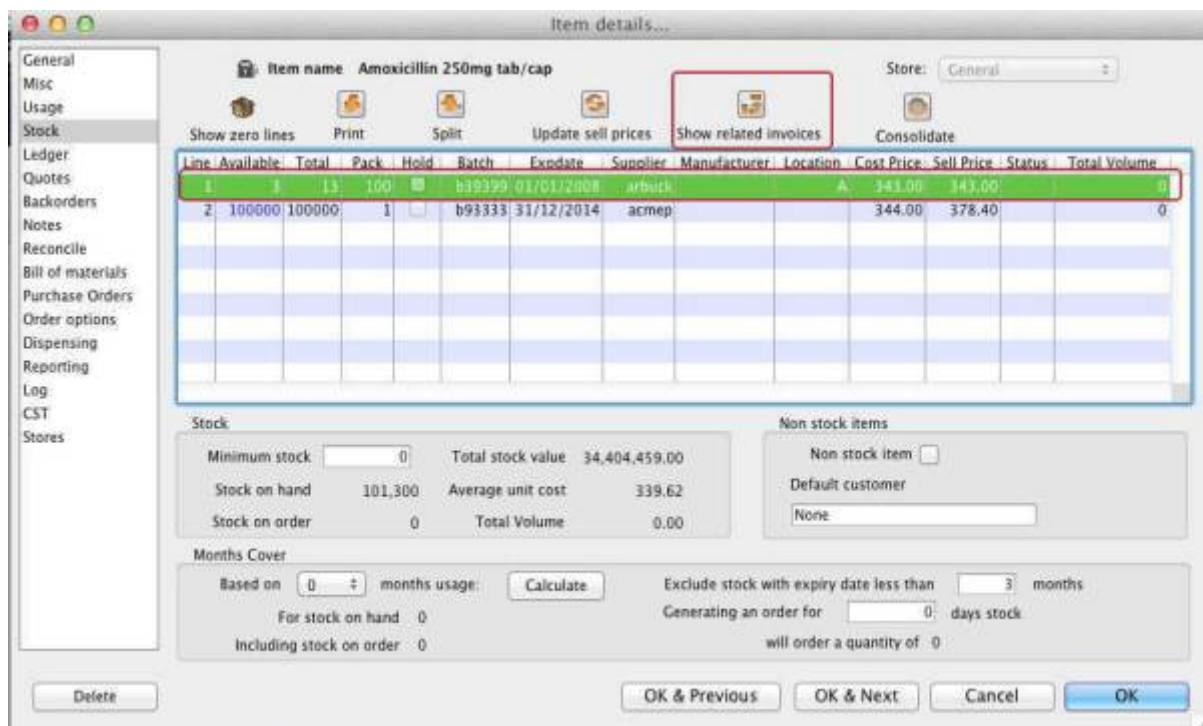
Now close the item stock line details window and view the item again.

Getting to the source

To correct the pack size from “100” to “1”, we now need to locate the invoice that initially introduced this batch (b39399) of Amoxicillin 250mg tab/cap to our stock.

Do the following :

- Get back to the item detail window showing the batch lines.
- Select the batch line.
- Then click on the “Show related invoices” icon
- You will now be presented with a list of invoices connected to this particular batch of stock.



Locating the stock introducing invoice

From the list of invoices we now need to view the invoice that initially introduced the stock.

The image below contains customer and patient invoices (“ci” type), an inventory adjustment (“sc” type) and a supplier invoice (“si” type). The supplier invoice has been highlighted.

[Double click on the line for the supplier invoice to open it.](#)

| Name | Type | Sta. | Entered | Confirmed | Invnum | Total | Their ref | PS printed dt. | Comment | Exp batch |
|------------------------|------|------|------------|------------|--------|------------|-----------|----------------|------------------------|-----------|
| Airbuckle distribution | si | cn | 25/02/2007 | 25/02/2007 | 10 | 77518.9933 | | | Short Expiry | 0 |
| Pharmacy | ci | sg | 25/02/2007 | | 15 | 3675.9 | | 24/05/2011 | | 0 |
| Blue Cross hospital | ci | cn | 24/05/2011 | 24/05/2011 | 16 | 37072.0882 | po882 | 24/05/2011 | Express Courier please | 0 |
| Inventory adjustments | ic | cn | 24/05/2011 | 24/05/2011 | 16 | -27620 | | | Reduced stock | 0 |
| Smith, John | ci | cn | 13/02/2012 | 13/02/2012 | 17 | 1711 | | | | 0 |
| Parker, Jermie | ci | cn | 13/02/2012 | 13/02/2012 | 18 | 686 | | | | 0 |

Viewing the invoice

View the invoice and you will see one or more lines showing items that have been introduced to stock. Among them will be one containing the item you're interested in - make sure you identify the right one because there could be more than one batch of that particular item. For this example the invoice only contains one line. This invoice line was responsible for introducing an unsuitable pack size for dispensing purposes.

Double click on the line to open up the supplier invoice line:

[illegible]

Correcting pack size

You should now see a window similar to the image below :

Add/edit supplier invoice line...

Item:   New item

Quantity: Units issued: 197

Pack size: ea

Total quantity: 20000

Location: 

Batch: Volume per pack: m3 

Expiry:

| | Adjusted local cost (USD) | % Margin | Sell price |
|------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|
| Invoice line unit cost (USD) | <input type="text" value="343.00"/> | <input type="text" value="0.00"/> | <input type="text" value="343.00"/> |

 Pack to one

For this example lets assume that the total quantities are correct. Here we did indeed receive 20,000 tablets. So we are going to make the following adjustments.



The step below is only possible if you have the user



permission “Can update pack size, cost and sell price” set as described above. If this permission is not set, the pack size is disabled but still viewable.

Below we have changed the packsize to “1” and pushed the quantity to 20,000

So, as before, the total tablets we have received is : $20,000 \times 1 = 20,000$

Click “OK” to save the changes.

Item: Amoxicillin 250mg tab/cap
Quantity: 20000 Units issued: 197
Pack size: 1 ea
Total quantity: 20000
Batch: b39399
Expiry: 01/01/2008
Adjusted local cost (USD): 343.00
% Margin: 0.00
Sell price: 343.00
Invoice line unit cost (USD): 343.00
Location: A
Volume per pack: 0 m3
Pack to one
Cancel OK OK & Next

We are done. Close the invoice.

Review of the changes

Now, to see the result of the pack size adjustment, view the item and its ledger associated with batch “b39399”:

Item details: Amoxicillin 250mg tab/cap

Store: General

Stock

| Line | Available | Total | Pack | Hold | Batch | Expiry | Supplier | Manufacturer | Location | Cost Price | Sell Price | Status | Total Volume |
|------|-----------|--------|------|------|--------|------------|----------|--------------|----------|------------|------------|--------|--------------|
| 1 | 19803 | 19813 | 1 | | b39399 | 01/01/2008 | arbuck | | | 343.00 | 343.00 | | 0 |
| 2 | 100000 | 100000 | 1 | | b93333 | 31/12/2014 | acmep | | | 344.00 | 378.40 | | 0 |

Stock

Minimum stock: 0 Total stock value: 41,130

Stock on hand: 101,300 Average unit cost: 343.00

Stock on order: 0 Total Volume: 0

Months Cover

Based on: 0 months usage: Calculate

For stock on hand: 0

Including stock on order: 0

Item stock line details: Amoxicillin 250mg tab/cap

Quantity according to stock: Total Quantity: 19813 Available: 19803

| Date | Invoice | Name | Type | In/Out | Stat | Expiry | Batch | Quan | Pack | Cost | Sell | Exten |
|------------|---------|------------------|------|--------|------|------------|--------|-------|------|------|------|---------|
| 05/02/2007 | 10 | Arbuckle distrib | si | in | cn | 01/01/2008 | b39399 | 20000 | 1 | 343 | 343 | 6860000 |
| | 15 | Pharmacy | ci | out | sq | 01/01/2008 | b39399 | 10 | 1 | 343 | 343 | 3430 |
| 24/05/2011 | 16 | Blue Cross hosp | ci | out | cn | 01/01/2008 | b39399 | 100 | 1 | 343 | 343 | 34300 |
| 24/05/2011 | 16 | Inventory adjust | sc | out | cn | 01/01/2008 | b39399 | 80 | 1 | 343 | 343 | -27440 |
| 13/02/2012 | 17 | Smith, John | ci | out | cn | 01/01/2008 | b39399 | 5 | 1 | 343 | 343 | 1715 |
| 13/02/2012 | 18 | Parker, Jennie | ci | out | cn | 01/01/2008 | b39399 | 2 | 1 | 343 | 343 | 686 |

Item stock line ledger: Total Quantity: 19813 Available: 19803

Reconcile from start of year: Total Quantity: 19813 Available: 19803

Reconcile Cancel OK

From the image above we see that the available and total stock figures have changed.

We can also see that pack sizes on past ledgers have been converted from "100" to "1".

Previous: [The log](#) Next: [How to report by invoice category](#)

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