



User  
guide

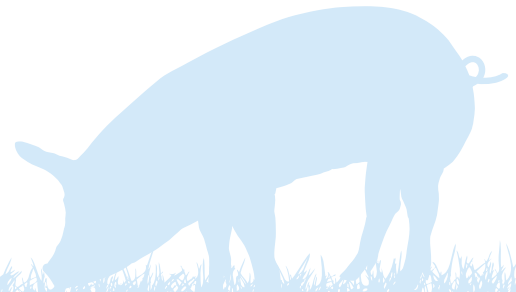


# What is eMB-Pigs?

The electronic medicines book for pigs (eMB-Pigs) was launched in April 2016 by AHDB, with support from the Veterinary Medicines Directorate (VMD) in response to the industry's need for a single system to collect and collate data on antibiotic use.

The creation and development of eMB-Pigs was guided by the Pig Health and Welfare Council (PHWC) which includes representation from key sectors of the pig industry from England, Wales, Scotland and Northern Ireland.

The data collected through eMB-Pigs will place the pig industry in a strong position in anticipation of future legislation that requires the reporting of aggregated data on antibiotic use by the UK pig industry.



# How does eMB-Pigs work?

**eMB-Pigs allows users to maintain a record of their antibiotic use through three main routes:**

**OPTION 1 – Enter data on total antibiotic use either directly into eMB (1A) or in spreadsheet form (1B).**

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**1A:** Entering data on total antibiotic use directly into eMB-Pigs for a given time period (for example, annually or quarterly), from on-farm records.

**This option requires producers to maintain a separate on-farm medicine book.**

**1B:** Downloading an Excel template from eMB-Pigs and adding to it all medicine or total antibiotic use which can be stored on a computer and uploaded for a given time period (for example, annually or quarterly).

**This option is perfect for producers who may not have internet access on the farm.**

**OPTION 2 – Use the eMB in place of your paper medicine records.**

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Entering data on all medicine use directly into eMB-Pigs.

**This option allows eMB-Pigs to act as a full medicine book to replace current medicine records.**

# How will I benefit from using eMB-Pigs?



**To measure is to know... If you can not measure it, you can not improve it.**

**Lord Kelvin, 1800s**

eMB-Pigs is a simple and efficient way in which to comply with the Red Tractor requirements for monitoring antibiotic use on farm. It has the added advantage of providing a paper-free alternative to the legally required on-farm medicines book should you wish to use it as such.

As of November 2017, it became a requirement for Red Tractor Assured producers to upload their herd antibiotic usage onto eMB **every 3 months**.

The quarters are as follows:

- 1st January – 31st March
- 1st April – 30th June
- 1st July – 31st September
- 1st October – 31st December

Please note: producers have until **6 weeks** after the quarter has finished to upload their antibiotic usage. If not this will be classed as a non-compliance during quarterly veterinary assessments and annual Red Tractor inspections.

eMB-Pigs gives users the opportunity to collate and review their antibiotic usage and identify areas where use can be optimised. If data is entered quarterly, it also allows producers to monitor trends in use between quarters. The future developments of eMB-Pigs will allow producers to benchmark antibiotic use on their farms against anonymised data from similar units.

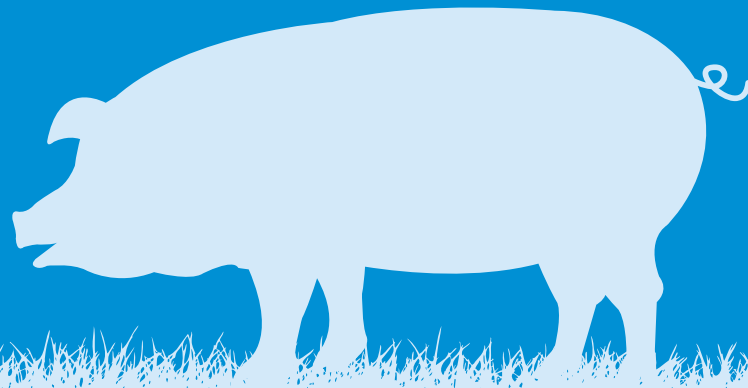
# Getting started

## For simple antibiotic entry, check you have:

- ✓ Pig Hub/eaml2/eMB login details
- ✓ Names of all antibiotic product used, split by pig age group
- ✓ Quantity of **each** antibiotic used, split by pig age group
- ✓ Quantity of **each** in-feed antibiotic product, split by pig age group
- ✓ Reason for administration, if known
- ✓ Number of sows and boars present on your unit(s)
- ✓ Number of breeding animals (gilts and boars) that have left your unit(s)
- ✓ Number of finisher pigs that have left your unit(s)
- ✓ Number of weaned piglets (up to 5 weeks of age) that have left your unit(s)
- ✓ Number of weaners/growers (over 5 weeks of age) that have left your unit(s)

## If you are using the bulk load spreadsheet, you will also need:

The list of all your units, along with their CPHs and Pig Hub GUIDs (AHDB can provide these for you). The MA (Marketing Authorisation) number of **each** of the antibiotic products (including in-feed) you have used on **each** of your units. (There is a lookup table in the bulk spreadsheet).



If you do not have a Pig Hub account, click on the appropriate icon to register (the pig icon allows producers to register).

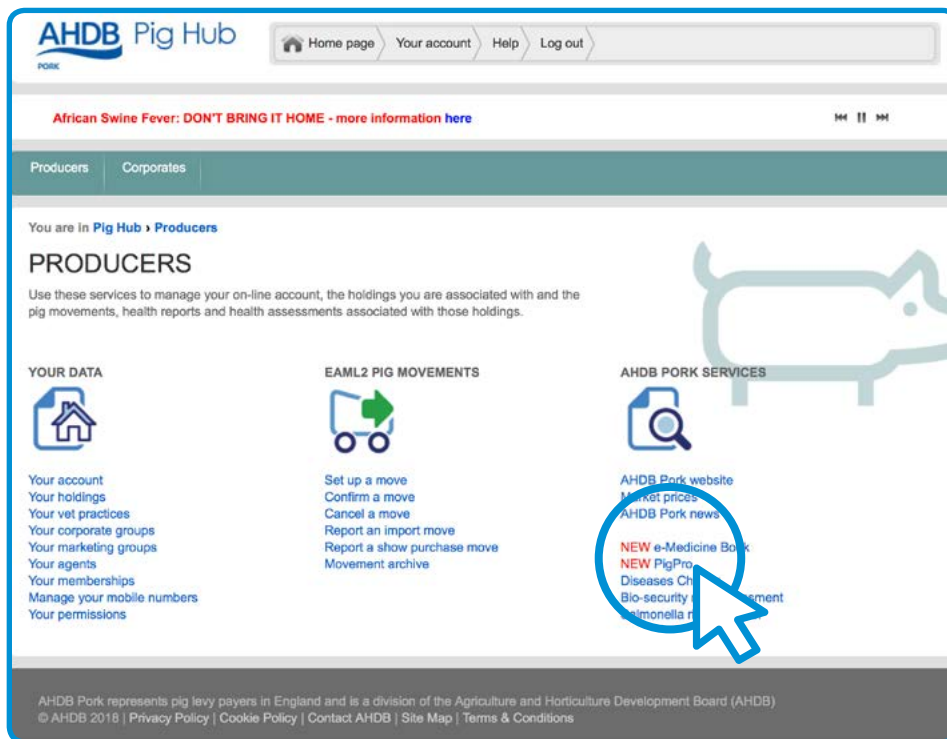
## Step 2

Select your appropriate section of Pig Hub – either ‘Producers’ or ‘Corporates’. Click on the **e-Medicine Book** link in the **AHDB Pork Services** menu.

The **e-Medicine Book** link should direct you straight to the online portal.

The **e-Medicine Book** can also be accessed directly from the following link:

[eMB-Pigs.ahdb.org.uk](http://eMB-Pigs.ahdb.org.uk)





## Step 3

Once on the eMB-Pigs website:

- Confirm you have read and accepted the terms and conditions
- Select your holding on the **Choose Pig Holding** Page
- Then click on the **'Enter data'** link at the right-hand side.

Post code	Holding number	Slapmark	Last return end date	Enter medicine data	Submit antibiotic usage returns
CW8 2TL	11/555/1114	AL1114	31st Dec 2017 (draft in progress)	<a href="#">View and enter</a>	<a href="#">View and submit</a>
AL1 3AF	11/555/1110	AL1116	31st Dec 2017	<a href="#">View and enter</a>	<a href="#">View and submit</a>

Select the holding you wish to enter data for

Post Code	Holding Number	Slapmark	Pig Hub ID
AL1 3AF	11/555/1110	AL1116	10QU5GMWSS.DIX1C20X9AV0B

Click here to start entering data

# How do I add antibiotic use data?

Select one of the following three options and follow the instructions

## Option 1A – Total antibiotic use data directly into eMB

Enter data on total antibiotic use directly into eMB-Pigs for a given time period (for example, annually or quarterly), from your own records.

**This option requires producers to maintain a separate on-farm medicine book.**

The screenshot shows the 'Data Entry' page for AHDB eMB-Pigs. The page title is 'Data Entry' and the user is logged in as 'pig hub test producer 6, AL1 3AF, 11/555/1110, AL1116'. The page contains three main options for submitting data:

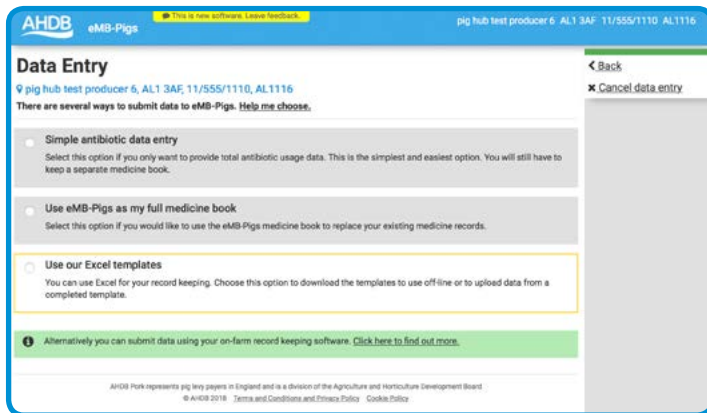
- Simple antibiotic data entry**: Select this option if you only want to provide total antibiotic usage data. This is the simplest and easiest option. You will still have to keep a separate medicine book.
- Use eMB-Pigs as my full medicine book**: Select this option if you would like to use the eMB Pigs medicine book to replace your existing medicine records.
- Use our Excel templates**: You can use Excel for your record keeping. Choose this option to download the templates to use off-line or to upload data from a completed template.

At the bottom, there is a green banner with an information icon and the text: 'Alternatively you can submit data using your on-farm record keeping software. Click here to find out more.'

The footer of the page states: 'AHDB Pork represents pig growers in England and is a division of the Agriculture and Horticulture Development Board © AHDB 2018 Terms and Conditions and Privacy Policy Cookie Policy'.

## Option 1B – Total antibiotic use data in spreadsheet form

Download an Excel template from eMB-Pigs and add to it all medicine or total antibiotic use, which can then be completed offline and uploaded back onto eMB-Pigs for a given time period (for example, annually or quarterly).



The screenshot shows the 'Data Entry' page of the eMB-Pigs system. The page header includes the AHDB logo, 'eMB-Pigs', a link to 'This is new software. Learn feedback', and the user ID 'pig hub test producer 6 AL1 3AF 11/555/1110 AL1116'. The main heading is 'Data Entry', followed by the user ID and a link to 'Help me choose'. Below this, there are four options for submitting data, each with a radio button and a description. The third option, 'Use our Excel templates', is highlighted with a yellow border. At the bottom, there is a green bar with an information icon and a link to 'Click here to find out more.'.

**Data Entry**  
pig hub test producer 6, AL1 3AF, 11/555/1110, AL1116  
[Help me choose.](#)

There are several ways to submit data to eMB-Pigs. [Help me choose.](#)

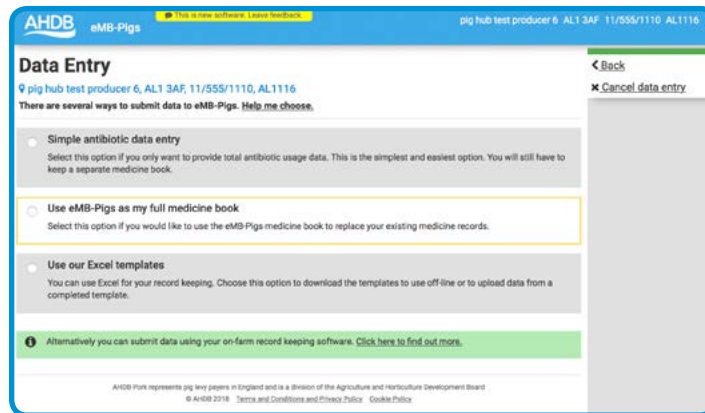
- ☐ Simple antibiotic data entry  
Select this option if you only want to provide total antibiotic usage data. This is the simplest and easiest option. You will still have to keep a separate medicine book.
- ☐ Use eMB-Pigs as my full medicine book  
Select this option if you would like to use the eMB-Pigs medicine book to replace your existing medicine records.
- ☒ Use our Excel templates  
You can use Excel for your record keeping. Choose this option to download the templates to use off-line or to upload data from a completed template.
- ☐ Alternatively you can submit data using your on-farm record keeping software. [Click here to find out more.](#)

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## Option 2 – Use the eMB in place of your paper medicines records

Enter data on all medicine use directly into eMB-Pigs.

**This option allows eMB-Pigs to act as a full medicine book to replace current medicines records.**



The screenshot shows the 'Data Entry' page of the eMB-Pigs system. The page header includes the AHDB logo, 'eMB-Pigs', a link to 'This is new software. Learn feedback', and the user ID 'pig hub test producer 6 AL1 3AF 11/555/1110 AL1116'. The main heading is 'Data Entry', followed by the user ID and a link to 'Help me choose'. Below this, there are four options for submitting data, each with a radio button and a description. The second option, 'Use eMB-Pigs as my full medicine book', is highlighted with a yellow border. At the bottom, there is a green bar with an information icon and a link to 'Click here to find out more.'.

**Data Entry**  
pig hub test producer 6, AL1 3AF, 11/555/1110, AL1116  
[Help me choose.](#)

There are several ways to submit data to eMB-Pigs. [Help me choose.](#)

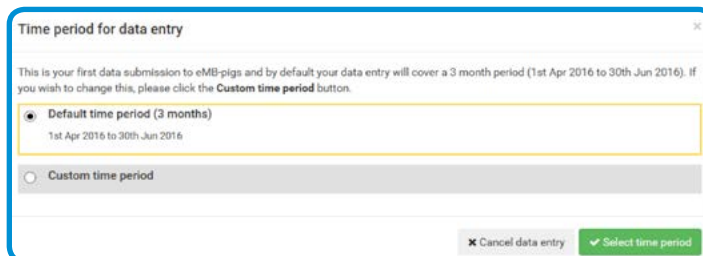
- ☐ Simple antibiotic data entry  
Select this option if you only want to provide total antibiotic usage data. This is the simplest and easiest option. You will still have to keep a separate medicine book.
- ☒ Use eMB-Pigs as my full medicine book  
Select this option if you would like to use the eMB-Pigs medicine book to replace your existing medicine records.
- ☐ Use our Excel templates  
You can use Excel for your record keeping. Choose this option to download the templates to use off-line or to upload data from a completed template.
- ☐ Alternatively you can submit data using your on-farm record keeping software. [Click here to find out more.](#)

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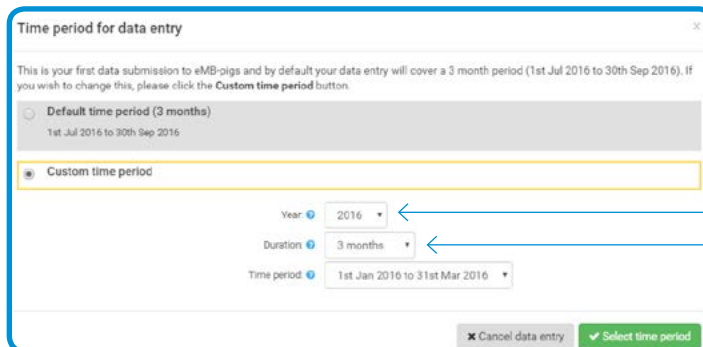
# How to: Option 1A

## Step 1

Once you have selected the **Simple antibiotic data entry** option, you can choose the default period (the last quarter) or a custom period. Data can be entered for a 3, 6 or 12-month period. We advise that producers use 3-monthly returns, whenever possible, as this allows seasonal trends in use to be monitored.



The screenshot shows a dialog box titled "Time period for data entry". It contains a message: "This is your first data submission to eMB-pigs and by default your data entry will cover a 3 month period (1st Apr 2016 to 30th Jun 2016). If you wish to change this, please click the Custom time period button." There are two radio buttons: "Default time period (3 months)" which is selected, and "Custom time period". Below the selected option, the date range "1st Apr 2016 to 30th Jun 2016" is displayed. At the bottom right, there are two buttons: "Cancel data entry" and "Select time period".



The screenshot shows the same dialog box, but now the "Custom time period" radio button is selected. Below it, there are three dropdown menus: "Year" set to "2016", "Duration" set to "3 months", and "Time period" set to "1st Jan 2016 to 31st Mar 2016". The "Default time period (3 months)" option is now greyed out. The "Select time period" button is highlighted in green. Two blue arrows point from the right side of the image to the "Year" and "Duration" dropdowns, with labels "Select the year" and "Select the duration" respectively.



**You must enter your EARLIEST data first. There is no option to add old data once newer data has been entered.**

## Step 2

To enter antibiotic data, select  
**Add total amount of antibiotic used.**  
Total usage for each age category of pigs  
should be entered separately.

**AHDB eMB-Pigs** This is a new software. Leave feedback Posh Pigs EH6 6RZ 12/555/9998 DF1234 [Choose a different holding](#)

### Antibiotic Usage as Totals of Each Antibiotic Product

[Posh Pigs, EH6 6RZ, 12/555/9998, DF1234](#)

1st October 2016 - 31st December 2016 - 3 months [\(Change\)](#)

- Information on **all** antibiotic treatments should be submitted to the eMB-Pigs website, including injectable, in-water, in-feed and skin, eye and ear treatments.
- Click the **Add** button below to provide the total amount of each antibiotic used within this date range. If you have treated multiple age categories then these should be entered separately. If you would like to change or delete an entry then please click on it.
- If you want to leave this page and come back to it later, click **Return to dashboard**.
- Once you have entered all of your antibiotic usage data for this period, click the **Submit antibiotic usage return** button to the right. If you have not used any antibiotics during this period, please click **Submit antibiotic usage return** to submit a blank return.

**Antibiotics Used**

Age group	Product	Total quantity used	Primary reason for treatment
No treatments added			

[+ Add total amount of antibiotic used](#)

[✓ Submit antibiotic usage return](#)  
[Return to dashboard](#)  
[Delete draft submission](#)

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## Step 3

### Add Antibiotic product

(All formulations except for in-feed medicated premix)

- Select product and age group from the drop-down menu.
- Enter the total quantity of antibiotic product used in the selected age group for the chosen time period.
- Select the appropriate unit and primary reason for treatment from the drop-down menu.

Select **Save**.

**Tip** Start typing the product name; recently used products will be at the top of the list

The screenshot shows a form titled 'Add total amount of antibiotic used'. It includes a note about submission requirements. The form has two radio buttons: 'Antibiotic product' (selected) and 'Feed in stock'. Below this is a 'Product' dropdown menu with a search bar and a 'My product is not listed' option. There is an 'Age group' dropdown menu. The 'Total quantity used' section has a text input and a unit dropdown menu. The 'Primary reason for treatment' section has a dropdown menu and a 'Reason not listed' checkbox. At the bottom, there is a note about data aggregation and two buttons: 'Cancel' and 'Save'.

### Add your medicated feed deliveries

(For in-feed medicated premix)

- Select **'Return to dashboard'** from the menu on the right.
- Choose the **'My feed stock'** option from the menu on the right
- Enter the feed name and select the ingredient (premix) name from the drop-down menu
- Enter the concentration (inclusion rate) in feed and select the unit from the drop-down menu
- Now add your delivery details
- Select **'Enter data'** from the menu on the right to add your antibiotic usage return.

The screenshot shows a form titled 'Add new feed product'. It has fields for 'Feed name' and 'Supplier name'. Below these is a section titled 'Medicine ingredients' with an 'Ingredient' dropdown menu and a 'Concentration in feed' section with a text input, a unit dropdown menu, and the text 'per Tonne'. There is a '+ Add another ingredient' button. At the bottom, there are 'Cancel' and 'Add' buttons.

### Add Feed in stock (For in-feed medicated premix).

The product list will contain 'Feed in stock' added. To see how to add Feed in Stock, please follow the instructions below.

- Select product and age group from the drop-down menu.
- Enter the total quantity of medicated feed used in the selected age group for the chosen time period.
- Select the appropriate unit and primary reason for treatment from the drop-down menu.
- Select **Save**.
- Repeat for all products used and for every category of pigs treated.

**Add total amount of antibiotic used**

Fields required for submission to eMB-Pigs are highlighted yellow. You should also check your legal and Red Tractor/other assurance scheme requirements.

Product: ☐ Antibiotic product ☒ Feed in stock

Product: Search by feed product in stock

Age group: Please select

Total quantity used: Please select

Primary reason for treatment: Please select

☐ Reason not listed

Data entered in this box will be aggregated, anonymised and sent to the Veterinary Medicines Directorate for national reporting purposes.

Cancel Save



Certain feed suppliers, with your permission, will enter your feed in stock deliveries for you. You will, however, need to include the amount of feed you have used in your antibiotic return

# How to:

## Option 1B

Once you have selected the **Use our Excel templates** option, select either:

**Yes, upload a completed template** or

**No, I need to download a template.**

Please note, we encourage you to download a new template every time you wish to upload your antibiotic usage in the event of any added changes e.g. new drugs

## Template options:

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### Medicine book template

You can use this spreadsheet offline as the full on-farm medicine book for your holding. When you upload it, we will extract only antibiotic treatment data and generate an antibiotic usage return for you to review and submit.

### Total antibiotic usage template

You can use this spreadsheet offline to supply eMB-Pigs with antibiotic usage totals only. When you upload it, we will generate an antibiotic usage return for you to review and submit.

**Data can be entered offline and uploaded at a later date. This option is ideal for producers with limited internet access on farm.**

### Bulk antibiotic usage template

You can use this spreadsheet offline to supply eMB-Pigs with antibiotic usage totals for multiple holdings in one go. When you upload it, we will validate your entries and submit final returns for all holdings.



## Submitting the antibiotic usage

Once you have successfully uploaded your data, select the **Submit** option in the top right-hand corner. You will then be required to enter additional **Holding Information**.

Please select the appropriate **Holding category** from the drop-down menu and enter the information with regard to:

- Number of sows and boars present
- Number of breeding animals (gilts and boars) that have moved off your unit(s)
- Number of slaughter pigs that have moved off your unit(s)
- Number of weaned piglets (up to 5 weeks of age) that have moved off your unit(s)
- Number of weaners/growers (over 5 weeks of age) that have moved off your unit(s)



**If you don't have pigs in a population category (eg no sows and boars), you must enter 0 (zero).**

### Holding information

**Holding category**

Please select the category which most closely matches your holding type from the drop-down list.

Please select a holding category

**Population data**

Please complete the five boxes below, which are used to account for the scale of your pig holding when comparing antibiotic usage.

You should enter pig numbers for the period **1st Jan 2016 to 31st Mar 2016**.

Number of sows and boars present:

Number of breeding animals (gilts and boars) that have been moved off your holding:

Number of slaughter pigs that have been moved off your holding:

Number of weaners/growers (over five weeks of age) that have been moved off your holding:

Number of weaned piglets (up to five weeks of age) that have been moved off your holding:

**!** Please ensure that the data you have entered are accurate before clicking **Submit return**. Once you have submitted this return, you will only be able to edit it (by converting it back to **Draft** status) for **24 hours**. After this time, you will need to [contact AHDB Pork](#) to amend your return.

# Can I edit a return once it has been submitted?

## 1. You may edit a return within 24 hours of submission

From the dashboard, select **Submission History** from the menu on the right. Select the submission that you wish to edit

Select **Undo Submission** to allow you to edit and resubmit

Submission History

Vet Test Farm: EH12 3TT, 11/222/3333, AB1234

Your last return was submitted on 14th Nov 2015 using eMB Web Portal. Click a row in the table below to view the corresponding submission.

Show: 10 entries

Period Covered	Type	Source	Status	Date	User
1st Apr 2015 to 30th Jun 2015	Total antibiotic usage	eMB Web Portal	Submitted	14th Nov 2015	vet12
1st Jan 2015 to 31st Mar 2015	Total antibiotic usage	eMB Web Portal	Submitted	14th Nov 2015	vet12
1st Oct 2015 to 31st Dec 2015	Total antibiotic usage	eMB Web Portal	Submitted	14th Nov 2015	vet12
1st Jul 2015 to 30th Sep 2015	Total antibiotic usage	eMB Web Portal	Submitted	14th Nov 2015	vet12
1st Apr 2015 to 30th Jun 2015	Total antibiotic usage	eMB Web Portal	Submitted	14th Nov 2015	vet12
1st Jan 2015 to 31st Mar 2015	Total antibiotic usage	eMB Web Portal	Submitted	14th Nov 2015	vet12

## 2. Remove a submission after 24 hours

To remove a submission after 24 hours, please contact AHDB directly or email:

[Fig.Hub@ahdb.org.uk](mailto:Fig.Hub@ahdb.org.uk)

Antibiotic Usage as Totals of Each Antibiotic Product

Vet Test Farm: EH12 3TT, 11/222/3333, AB1234

1st April 2015 - 30th June 2015 - 3 months - submitted using eMB Web Portal

Holding Data

Holding category: Breeder to Finisher

Number of sows and boars present: 100

Number of slaughter pigs that were moved off your holding: 500

Number of weaner pigs that were moved off your holding: 200

Antibiotics Used

Age group	Product	Total quantity used	Primary reason for treatment
Finishers (13 weeks to finish)	Baytril Max 100 mg/ml Solution for Injection for Pigs	500 ml	Vomiting
Piglets (0-4 weeks)	Pen & Strept Suspension for Injection	100 ml	Coughing
Piglets (0-4 weeks)	Alveolin 625 mg/g Granules for Use in Drinking Water for Pigs	100 g	Blood/mucus in faeces
Weaners and growers (3-12 weeks)	Orionol 50% Powder for Oral Solution	400 g	Thumping

# How to: Option 2

## Step 1

Once you have selected the **Use eMB-Pigs as my full medicine book** option, you are able to enter data for the previous quarter. Data can be entered in real time as and when treatments are administered, as you would a standard paper medicine book. You can move between quarters by selecting **Previous Quarter** or **Next Quarter**. Then select one of the three options:

### A Add animal treatment

Add all antibiotic and non-antibiotic treatments given to a single animal or group of animals.

### B Add routine treatment

Add non-antibiotic treatments which are administered on a regular or routine basis for long-term disease control purposes such as vaccinations, iron supplementation and coccidiosis control. Note that this section does not support the entry of antibiotic data.

### C Add purchased medicine

Add details about medicines you have purchased for use in pigs.

**Tip** Click for fast navigation

**A** Add animal treatment

**B** Add routine treatment

**C** Add purchased medicine

## Step 2

### A. Add animal treatment

#### Medicine Product

(All medicines except for in-feed medicated premix)

- Complete all the highlighted fields by either selecting an option from the drop-down menu or entering a date or figure. All other fields are optional.
- Select **Save**.

#### Feed in stock

(For in-feed medicated premix)  
Please see directions on page 14.

### Add animal treatment

Fields required for submission to eMB-Pigs are highlighted yellow. You should also check your legal and Red Tractor/other assurance scheme requirements.

☒ Medicine product ☐ Feed in stock

Product:    
 ☐ My product is not listed

Age group:  Number of animals treated:

Total quantity used:

Treatment date:  Treatment end date:

Reason for treatment:    
 ☐ Reason not listed

Name of person administering:  ID or batch number:

Withdrawal period (days):  days

Fit for consumption date:

Identity of pigs:  and/or Location of pigs:

Dose and course of treatment:

Notes:

Antibiotic usage data entered in this box will be aggregated, anonymised and sent to the Veterinary Medicines Directorate for national reporting purposes.

## Step 2

### B. Add Routine Treatment

Complete all the highlighted fields by either selecting an option from the drop-down menu or entering a date or figure. Other fields are optional.

Select **Save**.

#### Add routine treatment

Fields required for submission to eMB-Pigs are highlighted yellow. You should also check your legal and Red Tractor/other assurance scheme requirements.

☒ Medicine product

Product:

☐ My product is not listed

Age group:

Treatment commenced date:

Expected number of animals treated:  by week

Identity/location of pigs:  Route of administration:

Age of administration:  Withdrawal period (days):

Dose and course of treatment:

Data entered in this box are stored for your own records and can be viewed only by users which have access to the data for this holding.

## Step 2

### C. Purchased Medicine

Complete all the highlighted fields by either selecting an option from the drop-down menu or entering a date or figure. Other fields are optional.

Select **Save**.

#### Add purchased medicine

Fields required for submission to eMB-Pigs are highlighted yellow. You should also check your legal and Red Tractor/other assurance scheme requirements.

☒ Medicine product

Product:

☐ My product is not listed

Date purchased:  Quantity purchased:  Please select:

Supplier name and address:

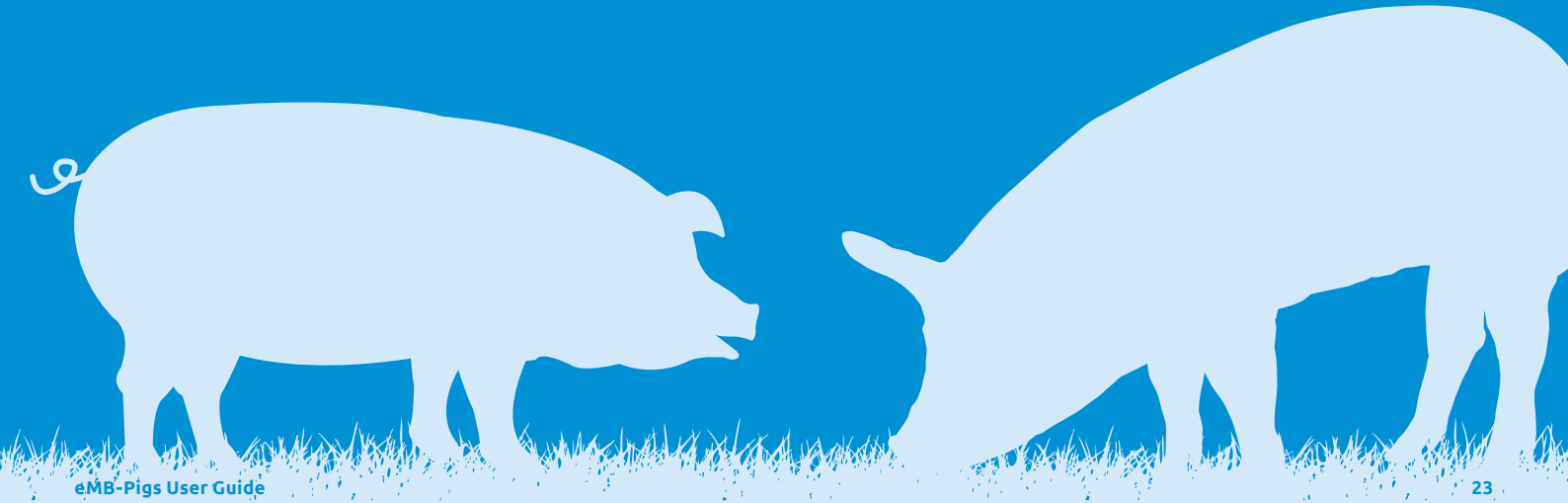
ID or batch number:  Expiry date:

Withdrawal period (days):  days Name of person:

Data entered in this box are stored for your own records and can be viewed only by users which have access to the data for this holding.

Cancel Save Save and Add Another

# How can I review my antibiotic use data?



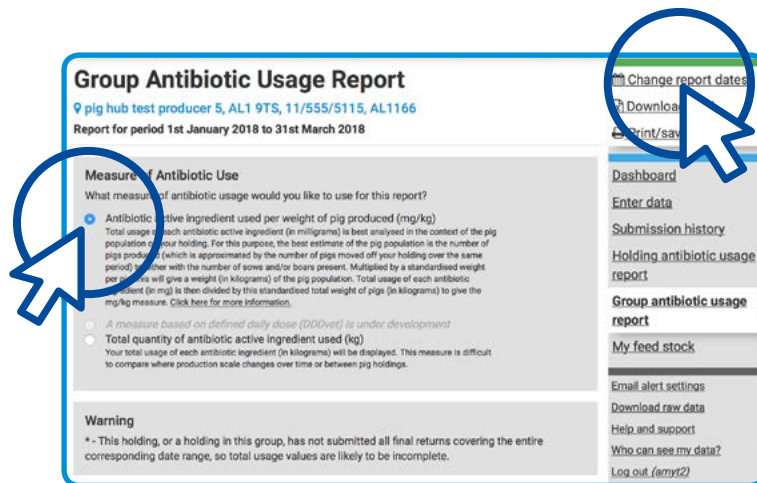
# Group antibiotic usage update

## Reports antibiotic usage across all holdings for a given time period.

The time period for the report can be changed by selecting **Change report dates** from the menu on the right of the screen.

Select how you want your antibiotic usage to be measured in the first grey panel.

See page 28 for more information.



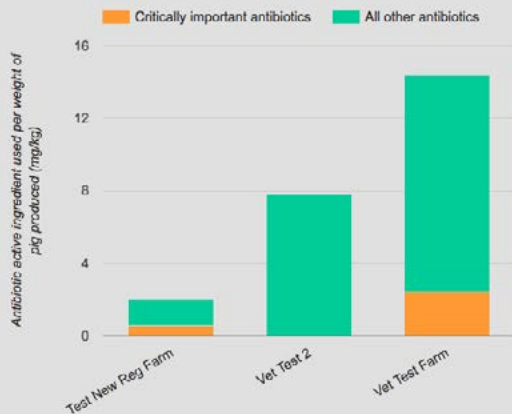
### Tip

Click on the 'Download CSV' link to download an Excel spreadsheet showing all historic antibiotic data for your farm(s). This is available for both group and individual holding reports.



### Antibiotic Use by Holding

A

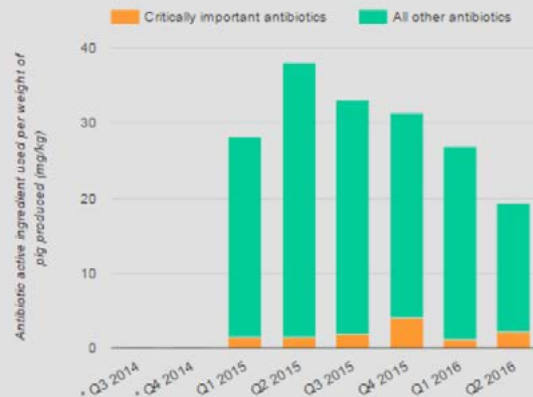


### The report shows:

- Antibiotic use for critically important antibiotics and all other antibiotics for chosen holding.
- Quarterly summary of total use of antibiotics for critically important antibiotics and all other antibiotics.

### Group Trend Report

B



Date	Critically important antibiotics	All other antibiotics
* Q3 2014	0.0 mg/kg	0.0 mg/kg
* Q4 2014	0.0 mg/kg	0.0 mg/kg
Q1 2015	1.4 mg/kg	26.8 mg/kg
Q2 2015	1.4 mg/kg	36.6 mg/kg
Q3 2015	1.9 mg/kg	31.1 mg/kg
Q4 2015	4.0 mg/kg	27.3 mg/kg
Q1 2016	1.1 mg/kg	25.7 mg/kg
Q2 2016	2.1 mg/kg	17.3 mg/kg

# Holding antibiotic usage report

## Reports antibiotic usage for a selected holding for a given time period.

Select the holding you wish to review from the main menu.

Then, from the menu on the right-hand side, select **Holding antibiotic usage report**.

### Choose Pig Holding

Please select a pig holding from the list below or search for it by name, postcode, holding number or slapmark.

**i** If you cannot find your pig holding, please [contact AHOR Pork using the Pig Hub contact form](#).

Search for pig holding by name, postcode, holding number or slapmark

The end date of the last antibiotic usage return submitted for each holding is highlighted as follows:

- The last return covered a period which was more than 3 months ago and there is no draft return in progress or no returns have been submitted.
- The last return covered a period which was more than 3 months ago but there is a draft return currently in progress.
- No return is currently due because the last return covered a period which was less than 3 months ago.

Vet Test Farm					
Postcode	Holding number	Slapmark	Last return end date	Enter medicine data	Submit antibiotic usage returns
EH12 3TT	11/222/3333	AB1234	30th Jun 2016	<a href="#">View and enter</a>	<a href="#">View and submit</a>
Test 2					
Postcode	Holding number	Slapmark	Last return end date	Enter medicine data	Submit antibiotic usage returns
EH12 3TT	11/222/3334	AB1234	30th Jun 2016	<a href="#">View and enter</a>	<a href="#">View and submit</a>
Test New Reg Farm					
Post code	Holding number	Slapmark	Last return end date	Enter medicine data	Submit antibiotic usage returns
EH6 6RZ	99/233/3333	AB1234	30th Jun 2016	<a href="#">View and enter</a>	<a href="#">View and submit</a>

[Change report dates](#)

[Print/save report](#)

[Dashboard](#)

[Enter data](#)

[Submission history](#)

**[Holding antibiotic usage report](#)**

[Group antibiotic usage report](#)

[My feed stock](#)

[Email alert settings](#)

[Download raw data](#)

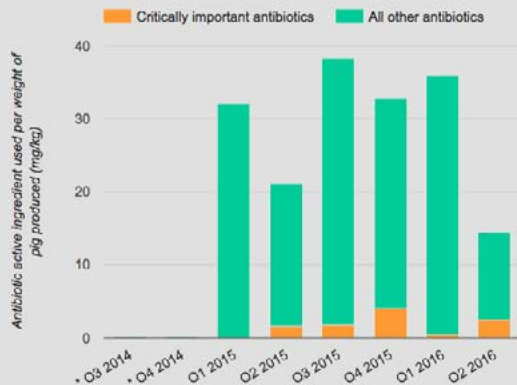
[Help and support](#)

[Who can see my data?](#)

[Log out \(vett2\)](#)

## Antibiotic Usage Trends

A



## Usage by Antibiotic Class

Antibiotic active ingredient used per weight of pig produced (mg/kg)

1st Apr 2016 - 30th Jun 2016

beta amino tetra macro fluoro



C

## CRITICALLY IMPORTANT ANTIBIOTICS

Antibiotic active ingredient used per weight of pig produced (mg/kg)

Product	Active ingredient	Antibiotic class	Q2 2016	Q1 2016	Q2 2015
Baytril Max 100 mg/ml Solution for Injection for Pigs	enrofloxacin	fluoro	2.4	0.4	1.6

D

## ALL OTHER ANTIBIOTICS

Antibiotic active ingredient used per weight of pig produced (mg/kg)

Product	Active ingredient	Antibiotic class	Q2 2016	Q1 2016	Q2 2015
Alivlosin 625 mg/g Granules for Use in Drinking Water for Pigs	tylvalosin	macro	2.5	12.5	15.0
Chlorisol 50% Powder for Oral Solution	Chlortetracycline Hydrochloride	tetra	8.0	20.0	0.0
Pen & Strep Suspension for Injection	benzylpenicillin	beta	0.5	1.0	1.5
	dihydrostreptomycin	amino	1.0	2.0	3.0

## The report shows:

- Antibiotic usage trend by quarter for critically important antibiotics and all other antibiotics for chosen holding.
- Antibiotic usage by class for stated time period for chosen holding.
- Antibiotic usage for critically important antibiotics.
- Antibiotic usage for all other antibiotics.

# How is the antibiotic use measured?

There are two options for users to measure their antibiotic use.

## 1. Antibiotic active ingredient used per weight of pig (mg/kg)

- The mg/kg measure of antibiotic use is calculated by dividing the total usage of each antibiotic active ingredient in milligrams (mg) by a measure of the average weight of pigs at time of treatment on your holding in kilograms (kg)
- Antibiotic usage (mg/kg) = total active ingredient usage (mg) divided by the average weight of pigs at time of treatment (kg)
- To estimate the total weight of pigs, both the holding category and the number of pigs that have been moved off the holding or which are present on the farm, as declared when submitting the antibiotic usage return, are needed. The table opposite shows how the total weight of pigs is calculated, for each holding category.

- For example, for holdings in the **Breeder to Finisher** the weight of pigs is the number of slaughter pigs declared in the return multiplied by the average weight at treatment for **finisher pigs (65 kg)**.
- The assumed average weights at the time of treatment are **standardised** weights rather than exact measures and they have been adapted from the European ESVAC project\* to be more representative of the UK herd. Treatments are often given towards the start of the weaning or finishing periods, which is why the weights are lower than the usual weight of a pig at the end of the weaning period or at slaughter. Please note that the mg/kg analysis acts as an indicator for trends in antibiotic use in the pig population over time, rather than being an absolute measure of use on your farm.

\*More information on the ESVAC Project can be found on the European Surveillance of Veterinary Antimicrobial Consumption (ESVAC) Website.

The table below also shows how your farm will be grouped with others for the trend reports and benchmarking reports.

Holding Category	Weight of Pigs
Breeder only	= Number of weaned piglets leaving at 4kg (assumed average weight at treatment)
Breeder to weaner	
Nursery	= Number of weaners leaving at 25kg (assumed average weight at treatment)
Breeder to finisher	= Number of finishers leaving at 65kg (assumed average weight at treatment)
Nursery to finisher	
Finisher only	
Boar stud	= Average number of sows and/or boars present at 240kg (assumed average weight at treatment)
Pet pigs	
Gilt unit only	= Number of breeding animals leaving at 65kg (assumed average weight at treatment)

## 2. Total quantity of antibiotic active ingredient used (kg)

- Your total usage of each antibiotic ingredient (in kilograms) will be displayed. This measure is difficult to compare where production scale changes over time or between pig holdings.

