

**Package leaflet: Information for the user**  
**Bydureon® 2 mg prolonged-release suspension for injection in pre-filled pen**  
exenatide

**Read all of this leaflet carefully before you start using this medicine because it contains important information for you.**

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor, pharmacist, or diabetes nurse.
- This medicine has been prescribed for you only. Do not pass it on to others. It may harm them, even if their signs of illness are the same as yours.
- If you get any side effects, talk to your doctor, pharmacist, or diabetes nurse. This includes any possible side effects not listed in this leaflet. See section 4.

- What is in this leaflet**
1. What Bydureon is and what it is used for
  2. What you need to know before you use Bydureon
  3. How to use Bydureon
  4. Possible side effects
  5. How to store Bydureon
  6. Contents of the pack and other information

**1. What Bydureon is and what it is used for**

Bydureon contains the active substance exenatide. It is an injectable medicine used to improve blood sugar control in adults, adolescents and children aged 10 years and above with type 2 diabetes mellitus.

This medicine is used in combination with the following diabetes medicines: metformin, sulphonylureas, thiazolidinediones (combination therapy with thiazolidinedione was only studied in adult patients), SGLT2 inhibitors and/or a long-acting insulin. Your doctor is now prescribing this medicine as an additional medicine to help control your blood sugar. Continue to follow your food and exercise plan.

You have diabetes because your body does not make enough insulin to control the level of sugar in your blood or your body is not able to use the insulin properly. This medicine helps your body to increase the production of insulin when your blood sugar is high.

**2. What you need to know before you use Bydureon**

**Do not use Bydureon:**

- If you are allergic to exenatide or any of the other ingredients of this medicine (listed in section 6).

**Warnings and precautions**  
Talk to your doctor, pharmacist, or diabetes nurse before using Bydureon about the following:

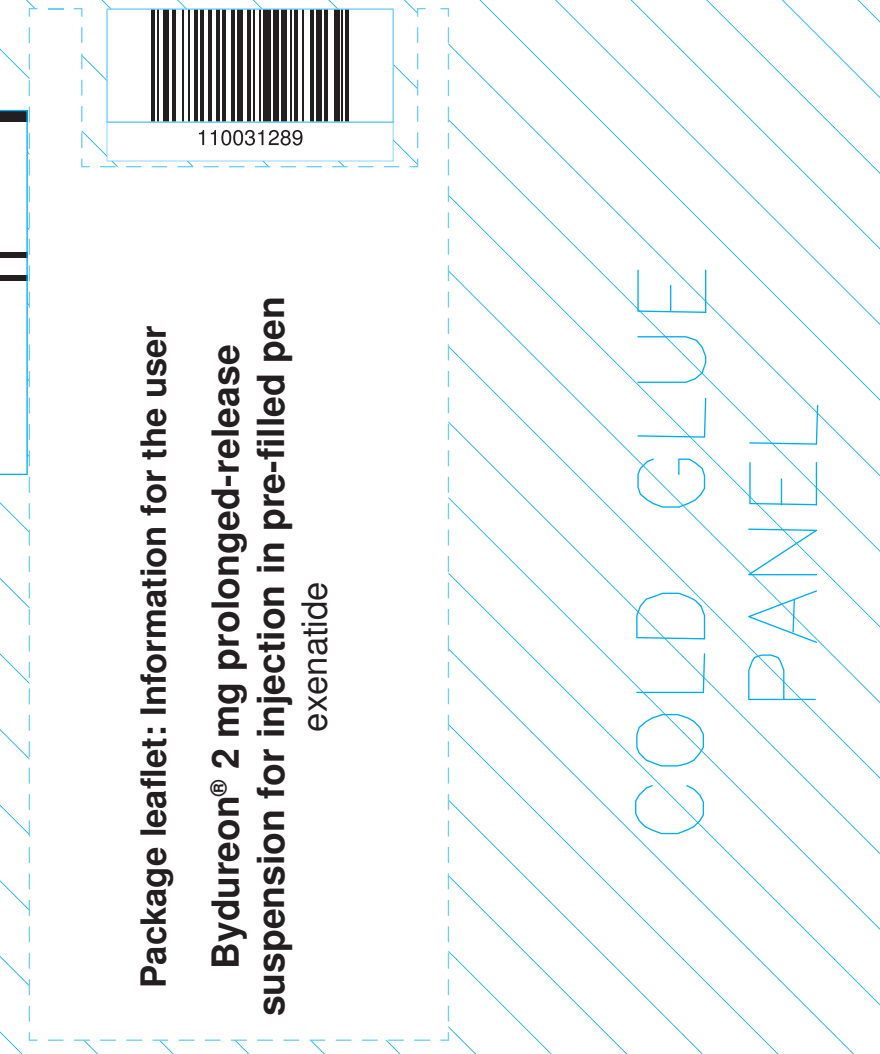
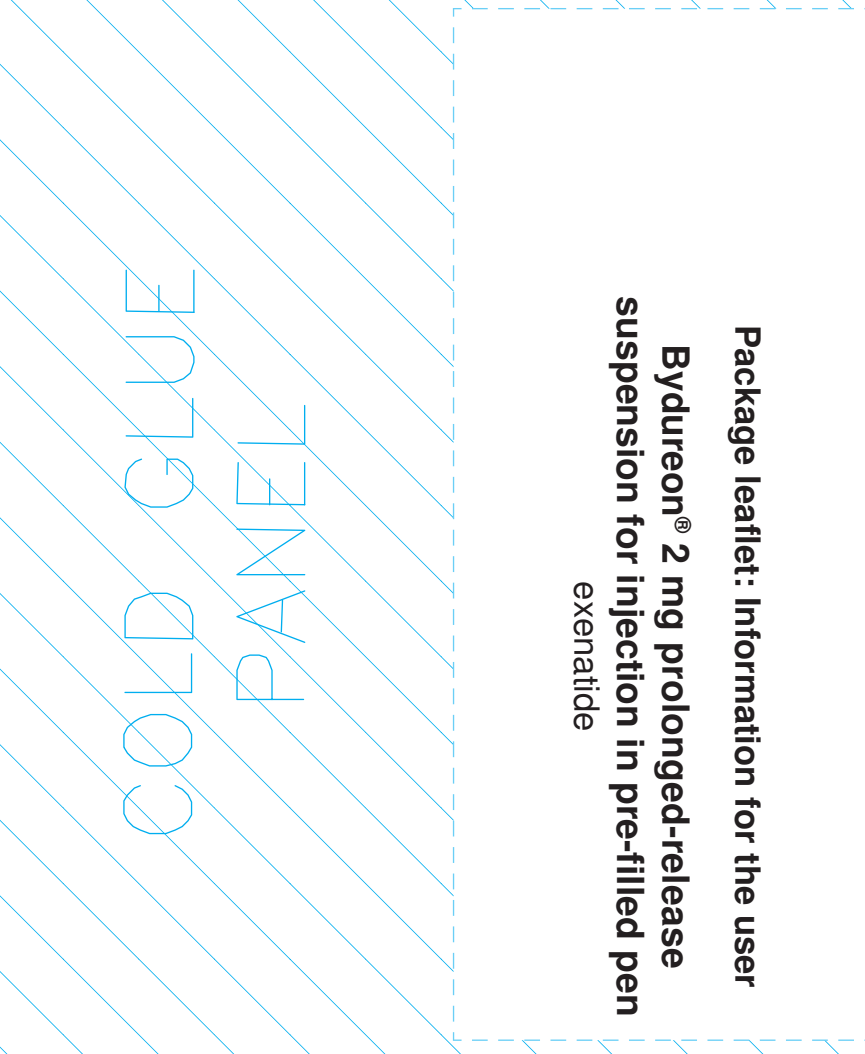
- If you use this medicine in combination with a sulphonylurea, as low blood sugar (hypoglycaemia) can occur. Test your blood glucose levels regularly. Ask your doctor, pharmacist, or diabetes nurse if you are not sure if any of your other medicines contain a sulphonylurea.
- If you have type 1 diabetes or diabetic ketoacidosis, as this medicine should not be used.
- How to inject this medicine. It should be injected into the skin and not into a vein or into the muscle.
- If you have severe problems with your stomach emptying (including gastroparesis) or food digestion, as the use of this medicine is not recommended. The active substance in this medicine slows stomach emptying so food passes more slowly through your stomach.
- If you have ever had inflammation of the pancreas (pancreatitis) (see section 4).
- If you lose weight too quickly (more than 1.5 kg per week) talk to your doctor about it since this may cause problems such as gallstones.
- If you have severe kidney disease or you are on dialysis, as the use of this medicine is not recommended.

Bydureon is not an insulin and should therefore not be used as a substitute for insulin.

**Children and adolescents**  
Bydureon can be used in adolescents and children aged 10 years and above. There is no data available for use of this medicine in children below 10 years of age.

**Other medicines and Bydureon**  
Tell your doctor or pharmacist if you are taking, have recently taken, or might take any other medicines, particularly:

- other medicines that are used to treat type 2 diabetes, such as medicines that work like Bydureon (for example: liraglutide or other exenatide containing products, as taking these medicines with Bydureon is not recommended).
- medicines used to thin the blood (anticoagulants), e.g. Warfarin, as you will require additional monitoring of changes in INR (measurement of blood thinning) during initiation of therapy with this medicine.



- a medicine that contains a sulphonylurea, as low blood sugar (hypoglycaemia) can occur when combined with Bydureon.
- if you are using insulin, your doctor will tell you how to reduce the dose of insulin and will recommend that you monitor your blood sugar more frequently, in order to avoid hyperglycaemia (high blood sugar) and diabetic ketoacidosis (a complication of diabetes that occurs when the body is unable to break down glucose because there is not enough insulin).

**Pregnancy and breast-feeding**  
It is not known if this medicine may harm your unborn child, therefore you should not use it during pregnancy and for at least 3 months before a planned pregnancy.

It is not known if exenatide passes into your milk. You should not use this medicine while breast-feeding.

If you are pregnant or breast-feeding, think you may be pregnant, or are planning to have a baby, ask your doctor or pharmacist for advice before taking this medicine.

You should use contraception if you could potentially become pregnant during treatment with this medicine.

**Driving and using machines**  
If you use this medicine in combination with a sulphonylurea, low blood sugar (hypoglycaemia) can occur. Hypoglycaemia may reduce your ability to concentrate. Please keep this possible problem in mind in all situations where you might put yourself and others at risk (e.g. driving a car or using machines).

**3. How to use Bydureon**

**BCise is the name of the pre-filled pen device used to inject your Bydureon medicine.**

Always use this medicine exactly as your doctor, pharmacist, or diabetes nurse has told you. Check with your doctor, pharmacist, or diabetes nurse if you are not sure.

You should inject this medicine once a week, at any time of day, with or without meals.

You should inject this medicine into the skin (subcutaneous injection) of your stomach area (abdomen), upper leg (thigh), or the back of your upper arm. Do not inject into a vein or muscle.

Each week you can use the same area of your body. Be sure to choose a different injection site in that area.

Test your blood glucose levels regularly, it is particularly important to do this if you are also using a sulphonylurea.

**Follow the "Instructions for the User" provided in the carton to inject Bydureon BCise**

Your doctor or diabetes nurse should teach you how to inject this medicine before you use it for the first time.

Remove one pen from the refrigerator and rest it flat for at least 15 minutes. Mix the suspension by shaking hard for at least 15 seconds. Use the suspension only if it is evenly mixed, white to off-white and cloudy. If you see white medicine on the sides, bottom or top of the pen window, the medicine is NOT mixed well. Shake hard again until well mixed.

You should inject this medicine immediately after mixing the suspension.

Use a new pen for each injection. You should dispose of the pen safely after each use, as instructed by your doctor or diabetes nurse.

**If you use more Bydureon than you should**  
If you use more of this medicine than you should, please consult your doctor first as you may need medical treatment. Using too

much of this medicine can cause nausea, vomiting, dizziness, or symptoms of low blood sugar (see section 4).

**If you forget to use Bydureon**  
You might like to choose a day that you always plan to make your Bydureon injection.

If you miss a dose and there are 3 days or more until your next dose is due, then take the missed dose as soon as it is possible to do so. For your next injection you can return to your chosen injection day.

If you miss a dose and there are only 1 or 2 days until your next dose is due, skip the missed dose and take the next one as usual, on the day it is due. You can also change your chosen injection day, as long as your last dose was given 3 or more days before.

Do not take two doses of Bydureon within 3 days of each other.

**If you are not sure you have taken the full dose of Bydureon**  
If you are not sure if you have taken all of your dose, do not inject another dose of this medicine, just take it next week as planned.

**If you stop using Bydureon**  
If you feel you should stop using this medicine, please consult your doctor first. If you stop using this medicine this can affect your blood sugar levels.

If you have any further questions on the use of this medicine, ask your doctor, pharmacist, or diabetes nurse.

**4. Possible side effects**

Like all medicines, this medicine can cause side effects, although not everybody gets them.

**Severe allergic reactions** (anaphylaxis) have been reported rarely (may affect up to 1 in 1,000 people).

You should see your doctor immediately if you experience symptoms such as

- Swelling of the face, tongue or throat (angioedema)
- Hypersensitivity (rashes, itching and rapid swelling of the tissues of the neck, face, mouth or throat)
- Difficulty with swallowing
- Hives and difficulty with breathing

**Cases of inflammation of the pancreas** (pancreatitis) have been reported uncommonly (may affect up to 1 in 100 people) in patients receiving this medicine. Pancreatitis can be a serious, potentially life-threatening medical condition.

- Tell your doctor if you have had pancreatitis, gallstones, alcoholism or very high triglycerides. These medical conditions can increase the risk of getting pancreatitis, or getting it again, whether or not you are taking this medicine.
- STOP taking this medicine and contact your doctor immediately if you experience **severe and persistent** stomach pain, with or without vomiting, because you could have an inflamed pancreas (pancreatitis).

**Very common side effects** (may affect more than 1 in 10 people)

- hypoglycaemia (low blood sugar) when taken with a medicine that contains a **sulphonylurea**

When this medicine is used with a medicine that contains a **sulphonylurea**, episodes of low blood sugar (hypoglycaemia, generally mild to moderate) can occur. The dose of your sulphonylurea medicine may need to be reduced while you use this medicine. The signs and symptoms of low blood sugar may include headache, drowsiness, weakness, dizziness, confusion, irritability, hunger, fast heartbeat, sweating, and feeling jittery. Your doctor should tell you how to treat low blood sugar.

- Common side effects** (may affect up to 1 in 10 people)
- hypoglycaemia (low blood sugar) when taken with an insulin
  - headache
  - dizziness
  - nausea (nausea is most common when starting this medicine, but decreases over time in most patients)
  - diarrhoea
  - vomiting
  - constipation
  - indigestion
  - heartburn
  - bloating
  - pain in the stomach area
  - injection site itchiness or redness
  - tiredness (fatigue)

**Uncommon side effects**

- hypoglycaemia (low blood sugar) when this medicine is used with a medicine that does not contain a **sulphonylurea**
- reduced appetite

This medicine may reduce your appetite, the amount of food you eat, and your weight.

If you lose weight too quickly (more than 1.5 kg per week) talk to your doctor about it since this may cause problems such as gallstones.

- dehydration
  - unusual taste in the mouth
  - sleepiness
  - flatulence (passing gas)
  - burping
  - intestinal obstruction (blockage in intestine)
  - hives
  - increased sweating
  - rash, itching
  - hair loss
  - decrease in kidney function
  - injection site reactions
- If you have an injection site reaction (redness, rash, or itching) you may like to ask your doctor for something to help relieve any signs or symptoms. You may see or feel a small bump under the skin after your injection; it should go away after 4 to 8 weeks. You should not need to stop your treatment.

- loss of energy and strength
- a delay in the emptying of the stomach
- gallstones
- inflamed gallbladder

**Rare side effects**

- feeling jittery

**Not known** (frequency cannot be estimated from the available data)  
In addition some **other side effects** have been reported:

- bleeding or bruising more easily than normal due to low level of blood platelets.
- skin reactions at the injection site following injection of exenatide. These include: cavity containing pus (abscess) and swollen, or red area of skin that feels hot and tender (cellulitis).
- changes in INR (measurement of blood thinning) have been reported when used together with warfarin.

**Reporting of side effects**  
If you get any side effects, talk to your doctor, pharmacist or diabetes nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the Yellow Card Scheme Website: [www.mhra.gov.uk/yellowcard](http://www.mhra.gov.uk/yellowcard) or search for MHRA Yellow Card in the Google Play or Apple App Store. By reporting side effects, you can help provide more information on the safety of this medicine.

**5. How to store Bydureon**

Keep this medicine out of the sight and reach of children.

Do not use this medicine after the expiry date, which is stated on the label and the carton after EXP. The expiry date refers to the last day of that month.

- Bydureon BCise pen should be stored as follows:
- Store in a refrigerator (2 °C to 8 °C).
  - The pen may be kept for up to 4 weeks below 30°C prior to use.
  - Store in the original package in order to protect from light.
  - The pen must be stored flat.

Do not throw away any medicines via wastewater or household waste. Ask your pharmacist how to throw away medicines you no longer use. These measures will help protect the environment.

**6. Contents of the pack and other information**

**What Bydureon BCise pen contains**

- The active substance is exenatide. Each pre-filled pen contains 2 mg of exenatide.
- The other ingredients are: poly (D,L-lactide-co-glycolide), sucrose and medium chain triglyceride.

**What Bydureon looks like and contents of the pack**  
Prolonged-release suspension for injection in pre-filled pen (BCise).

White to off-white opaque suspension.  
Each pre-filled pen delivers 2 mg of exenatide in a volume of 0.85 mL.

This medicine is available in a pack size of 4 single-dose pre-filled pens (BCise) and a multipack containing 12 (3 packs of 4) single-dose pre-filled pens (BCise). Not all pack sizes may be marketed.

**Marketing Authorisation Holder**  
AstraZeneca UK Limited,  
1 Francis Crick Avenue,  
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**Manufacturer**  
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CV 23 0063

**Other sources of information**

To listen to or request a copy of this leaflet in Braille, large print or audio please call, free of charge:

0800 198 5000 (UK only)

Please be ready to give the following information:

Product name	Reference number
Bydureon 2 mg prolonged release suspension for injection in pre-filled pen	17901/0315

This is a service provided by the Royal National Institute of the Blind.

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Created By:	DP								






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	<b>Description:</b> Leaflet patient-Bydureon Bcise-GB		
<b>Created By:</b> DP			

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## INSTRUCTIONS FOR THE USER

# BYDUREON

2 mg

prolonged-release suspension for injection in pre-filled pen  
exenatide

**Once weekly**

**For subcutaneous use only**  
**Single-dose pre-filled pen**



Read these instructions carefully before use  
Read also the Package Leaflet in your carton  
BCise is the name of the pre-filled pen device  
used to inject your Bydureon medicine.



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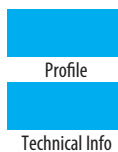
AstraZeneca

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**Created By:** Debra Paulls

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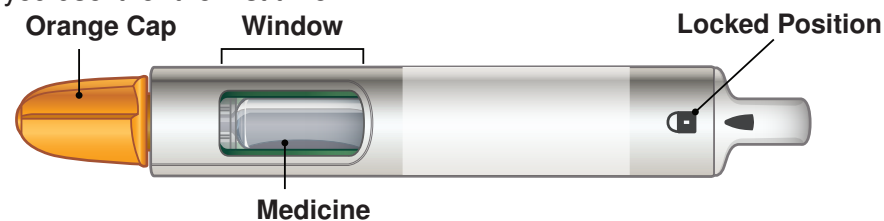
## Before You Begin

The Bydureon BCise pen:

- Is a single use, fixed dose pen that automatically injects your medicine.
- Comes in the locked position before you use it. Do not unlock the pen until you are ready to inject it.
- Needle is hidden. You do not see it before, during, or after using the pen.
- **Do not** use the pen if any parts look to be broken or damaged.
- Store flat in the refrigerator between 2°C to 8°C.
- Bydureon BCise pen should **not** be used by people who are blind or cannot see well, unless another person who is trained to use this device can help.
- Keep the pen, and all medicines, out of the reach of children.

## Before Use

Your doctor or diabetes nurse should teach you how to inject this medicine before you use it for the first time



**Figure A**

### Supplies needed to give your injection:

- Bydureon BCise pen
- Alcohol swab
- A clean, flat surface
- Puncture-resistant container (see “disposal” instructions at the end of these instructions)

## STEP 1: Prepare for injection

### A. Let your pen come to room temperature.

Remove 1 pen from the refrigerator and rest it flat for 15 minutes. Bydureon BCise pen can be kept at room temperature for up to 4 weeks.



Figure B

### B. Check the expiration date (labelled EXP) printed on the pen label.

Do not use the pen past the expiration date.



Figure C

### C. Wash your hands.

### D. Choose your injection site.

In either your stomach, thigh, or back of the upper arm, see Figure D.

Each week you can use the same area of your body, but choose a different injection site in that area of your body.

Clean the area with an alcohol swab.

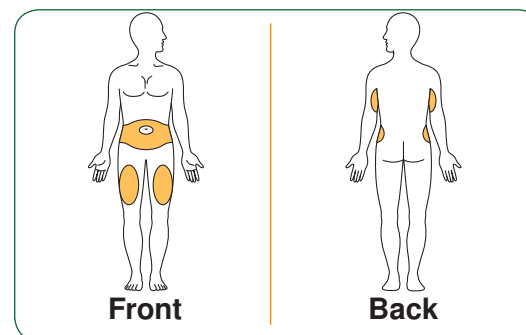


Figure D

## STEP 2: Mix the medicine

### A. Look in the window.

You may see white medicine along the sides, bottom or top. This means the medicine is not mixed evenly.

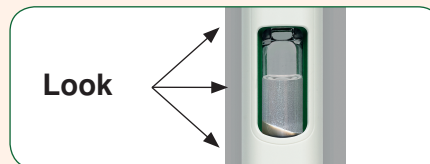


Figure E

### B. Shake the pen hard,

in an up-and-down motion, until the medicine is mixed evenly and you do not see any white medicine along the sides, bottom or top. Shake for at least 15 seconds.

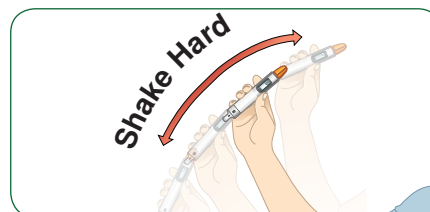


Figure F

### C. Check the mix.

Hold the pen up to the light and look through both sides and the bottom of the window. If not mixed well, repeat Step 2 and check again.

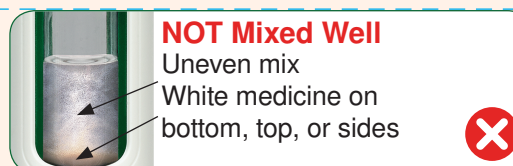


Figure G

#### NOT Mixed Well

Uneven mix  
White medicine on  
bottom, top, or sides

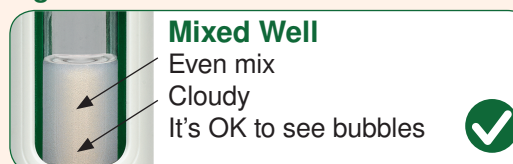


Figure H

#### Mixed Well

Even mix  
Cloudy  
It's OK to see bubbles



**Do not** go to the next step unless your medicine is mixed well. To get a full dose, the medicine must be mixed well and look cloudy. If not mixed well, continue to shake hard.

### STEP 3: Prepare the Pen

**Important:** After the medicine is fully mixed, you must complete the preparation steps **right away**, and inject to get the full dose. Do not save it to use later.

Only unlock the pen when you are ready to inject.

#### A. Unlock the pen.

Hold the pen up straight with the orange cap toward the ceiling.  
Turn the knob from the Lock to the Unlock position until you hear a click.

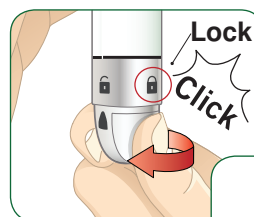


Figure I

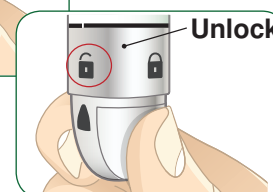


Figure J

#### B. While still holding the pen straight up, firmly unscrew the orange cap.

- You may need to turn the cap a few times before it loosens (if you hear clicking you are turning in the wrong direction).
- Continue holding the pen upright to prevent the medicine from accidentally leaking.
- A green shield will pop up after the cap is removed. The green shield hides the needle.

It is normal to see a few drops of liquid inside the cap. **Do not** recap the pen.  
Throw away the cap.

Hold **upright** & **firmly** unscrew



Figure K

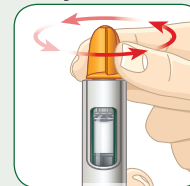


Figure L

Removed Cap

Green shield pops up



Figure M

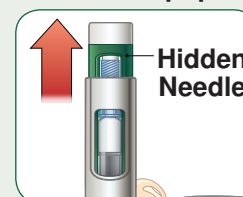


Figure N

## STEP 4: Inject the Dose

### A. Inject and hold:

- Push the pen against your skin. You will hear a “click” when the injection begins.
- Keep holding the pen against the skin for 15 seconds. This is to make sure you get the full dose.

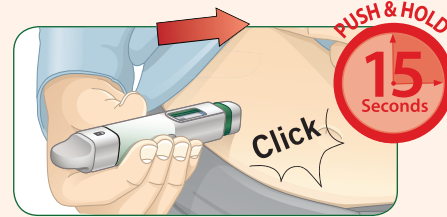


Figure O

### B. Make sure you received your full dose.

After you receive your injection, you will see an orange rod in the window. After you lift the pen from your skin, the green shield will move back up to lock over the needle. See the Common Questions & Answers for what to do if you do not see the orange rod in the window after injection.

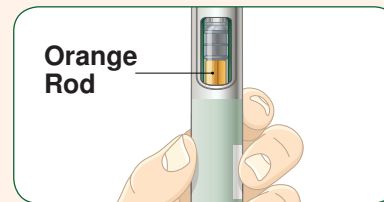


Figure P

## STEP 4: Inject the Dose

### C. Disposal.

**Properly dispose of your pen right away after use**, as instructed by your doctor, pharmacist or diabetes nurse.

You will need a puncture-resistant container that:

- is large enough to hold the entire pen,
- has a lid,
- does not leak,
- is properly labelled to warn of hazardous waste inside the container.

You may use a biohazard container, another hard plastic container, or a metal container.

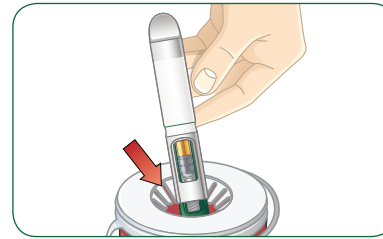


Figure Q

## Common Questions and Answers

### 1. Where is the needle?

The needle is attached to the pen and covered by the orange cap.

When you unscrew the orange cap, the green shield keeps the needle covered until you inject.

For more information, please see Figure N in Step 3B in the Instructions for the User.

### 2. How do I know if the medicine is fully mixed?

After shaking the pen, look through both sides of the window. You should not see any white medicine along the bottom, top, or sides. If you see white medicine, it is unmixed. To mix, shake the pen hard until the white medicine is no longer on the bottom, top, or sides. The medicine should look even throughout (see pictures in Figure G and Figure H, Step 2C).

### 3. Why do I need to hold the pen upright while removing the orange cap?

Holding the pen with the orange cap straight up helps prevent the medicine from leaking. It is normal to see a few drops of medicine inside the orange cap after you unscrew it.

### 4. Why should I inject my medicine right away after mixing it?

If you do not inject your medicine right away after mixing, the medicine may separate, and you will not get your full dose. You can re-mix your medicine if your pen is in the locked position. However, after you unlock it, you must complete the preparation steps right away and inject to get the full dose. You cannot save it for later use.

## Common Questions and Answers

### 5. How do I know I gave myself the full dose of medicine?

To be sure you get your full dose, press and hold the pen against your skin. You will feel the needle go into your skin. Hold the needle against your skin for 15 seconds. This will allow enough time for all the medicine to go from the pen to under your skin. After removing the needle, look for the orange rod in the window as a way to tell that the dose has been given. If the orange rod does not appear, contact the local representative of the Marketing Authorisation Holder (see section 6 of the Package Leaflet for a list of contacts by country).

### 6. Why should I store my pen flat in the refrigerator?

Pens stored vertically (with the needle up or down) are more difficult to mix. The medicine can still be fully mixed but it will take more shaking and more time.

### 7. How do I dispose of my Bydureon BCise pen?

**Do not** throw away the pen in your household waste. You will need a puncture-resistant container that is large enough to hold the entire pen. Be sure the container has a lid. You may use a biohazard container, another hard plastic container, or a metal container. A container is not included in the carton. Do not recycle the container with used pens. Ask your pharmacist how to safely throw it away. Do not throw the container in your household waste.

## Common Questions and Answers

### 8. What if the device malfunctions and I cannot unlock it?

Review the Instructions for the User Step 3 to confirm the order of operations, then contact the local representative of the Marketing Authorisation Holder (see section 6 of the Package Leaflet for a list of contacts by country). Do not try to unlock with excessive force or tools.

### 9. What if the device malfunctions and I cannot remove the orange cap?

Review the Instructions for the User Step 3 to confirm the order of operations, also confirm that the knob is fully in the unlocked position, then contact the local representative of the Marketing Authorisation Holder (see section 6 of the Package Leaflet for a list of contacts by country). Do not use tools or try to force the cap off.

### 10. Where to learn more about Bydureon BCise pen

- Talk with your doctor, pharmacist or diabetes nurse
- Read the Package Leaflet carefully.

#### How to Store Bydureon BCise pen

- Store flat in the refrigerator between 2°C to 8°C.
- Each pen can be kept at room temperature not to exceed 30°C for no more than a total of 4 weeks, if needed.
- Store in packaging provided to protect from light until you are ready to prepare and use your dose.
- Do not use past the expiration date. The expiration date is labelled EXP.
- Keep the pen clean and away from spills.

**Instructions for the User was last approved in 06/2019**

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