



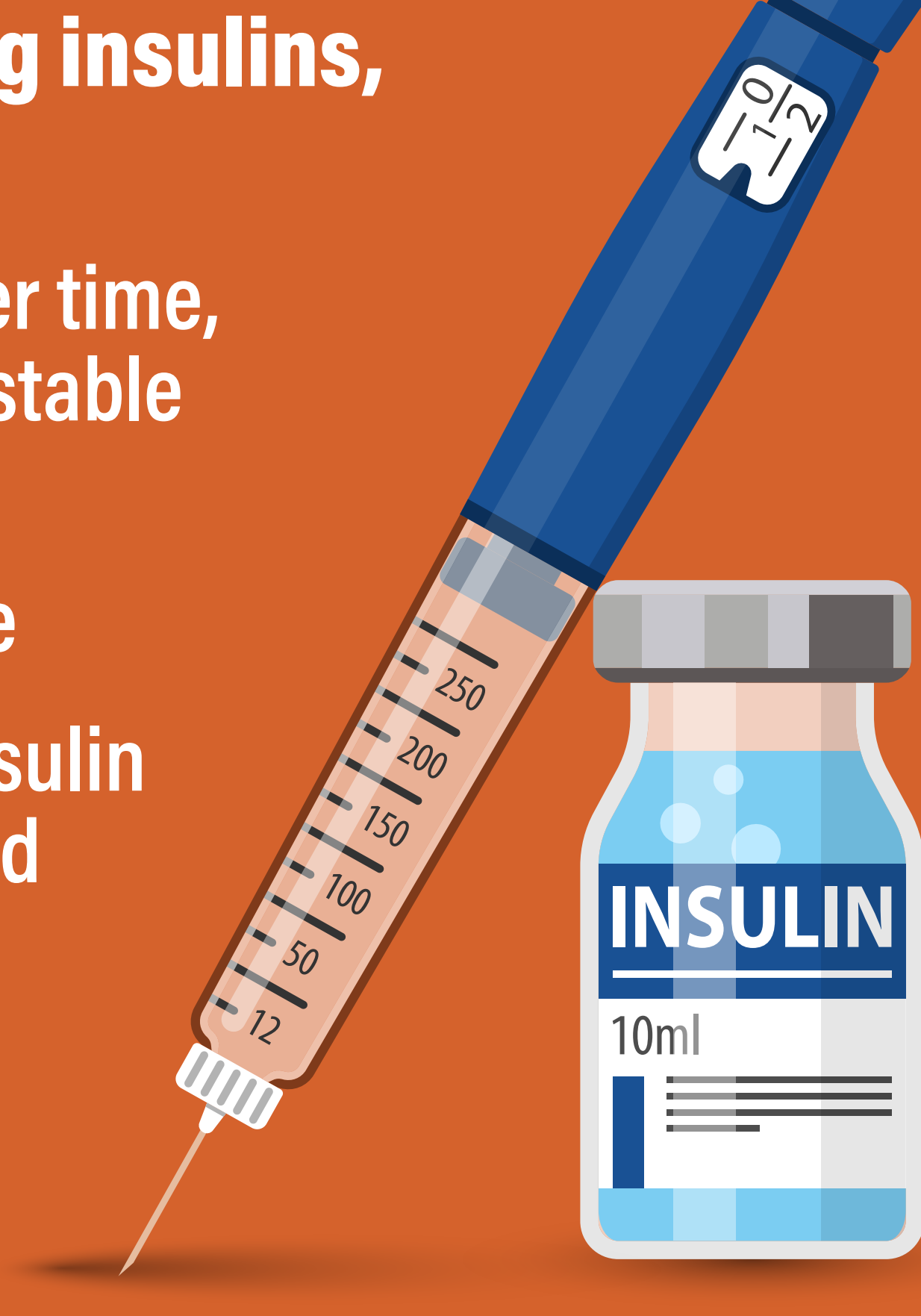
A Guide to Newer Longer-Acting Insulins

Long-acting insulins help you avoid having low blood sugar by:

- Staying in your body longer than short-acting insulins
- Keeping insulin levels stable throughout the day

Compared to other long-acting insulins, newer longer-acting insulins:

- Release insulin more slowly over time, keeping your levels even more stable throughout the day
- Inject less liquid with each dose
- May use pens that hold more insulin units, which may mean you need to manage fewer pens
- May need fewer injections depending on your dose



Newer Longer-Acting Insulins

Toujeo (U300 Glargine)

AVAILABLE DOSES

- 300 units/mL: 1.5-mL pen = 450 units per pen
- 300 units/mL: 3-mL pen = 900 units per pen

WHEN TO TAKE

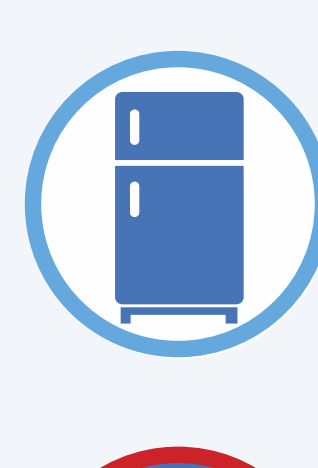
- 1 time a day at the same time each day



DOSE CHANGES

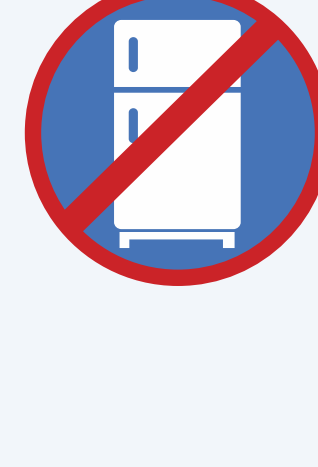
- Wait 3–4 days between dose increases

STORAGE



Unopened pens

- Keep in the fridge



Open pens

- Do NOT put in the fridge.
- Leave out in a safe place for no more than 56 days

Tresiba (Degludec)

AVAILABLE DOSES

- 100 units/mL: 3-mL pen = 300 units per pen
- 200 units/mL: 3-mL pen = 600 units per pen
- 100 units/mL: 10-mL vial

WHEN TO TAKE

- 1 time a day, at any time of the day



DOSE CHANGES

- Wait 3–4 days between dose increases

STORAGE



Unopened pens

- Keep in the fridge



Open pens and vials

- Keep in the fridge or leave in a safe place for no more than 56 days

Other Long-Acting Insulins

Basaglar, Lantus, or Semglee (U100 Glargine)

AVAILABLE DOSES

- 100 units/mL: 3-mL pen = 300 units per pen (Basaglar, Lantus, and Semglee)
- 100 units/mL: 10-mL vial (Lantus, Semglee)

WHEN TO TAKE

- 1 time a day. You can take it at any time of the day. But, once you pick a time, you should stick with the same time every day



DOSE CHANGES

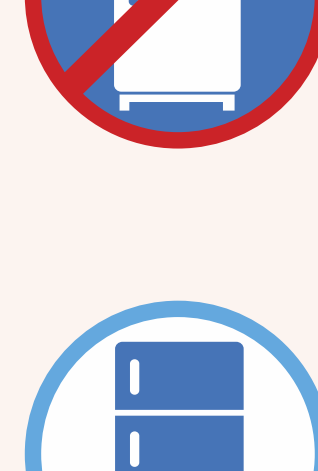
- Ask your healthcare provider

STORAGE



Unopened pens

- Keep in the fridge



Open pens

- Do NOT put in the fridge.
- Leave out in a safe place for no more than 28 days



Open vials

- Keep in the fridge or leave in a safe place for no more than 28 days

Levemir (Detemir)

AVAILABLE DOSES

- 100 units/mL: 3-mL pen = 300 units per pen
- 100 units/mL: 10-mL vial

WHEN TO TAKE

- Your healthcare provider may tell you to take detemir 1 or 2 times a day

1 time a day, take with dinner or when you go to bed



OR



2 times a day, take dose 1 in the morning and dose 2 at night. Make sure the doses are 12 hours apart



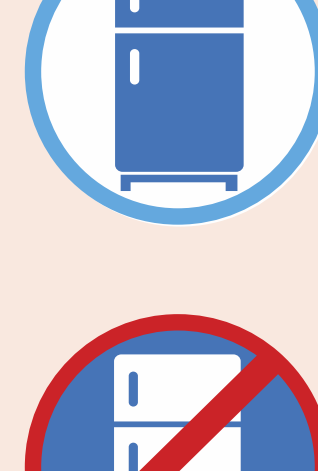
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DOSE CHANGES

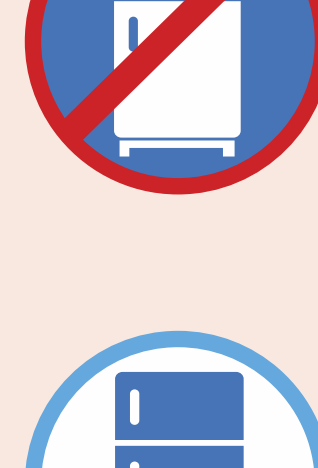
- Ask your healthcare provider

STORAGE



Unopened pens

- Keep in the fridge



Open pens

- Do NOT put in the fridge.
- Leave out in a safe place for no more than 42 days



Open vials

- Keep in the fridge or leave in a safe place for no more than 42 days

Basaglar (insulin glargine injection) 100 units/mL [package insert]. Lilly USA, LLC; 2019.

Lantus (insulin glargine injection) [package insert]. sanofi-aventis U.S. LLC; 2020.

Levemir (insulin detemir injection) 100 units/mL [package insert]. Novo Nordisk A/S; 2020.

Semglee (insulin glargine injection) [package insert]. Mylan Specialty L.P.; 2020.

Tresiba (insulin degludec injection) 100 U/mL, 200 U/mL [package insert]. Novo Nordisk, Inc.; 2019.

Toujeo (insulin glargine injection) U-300 [package insert]. sanofi-aventis U.S. LLC; 2020.

Last reviewed on December 2, 2021.