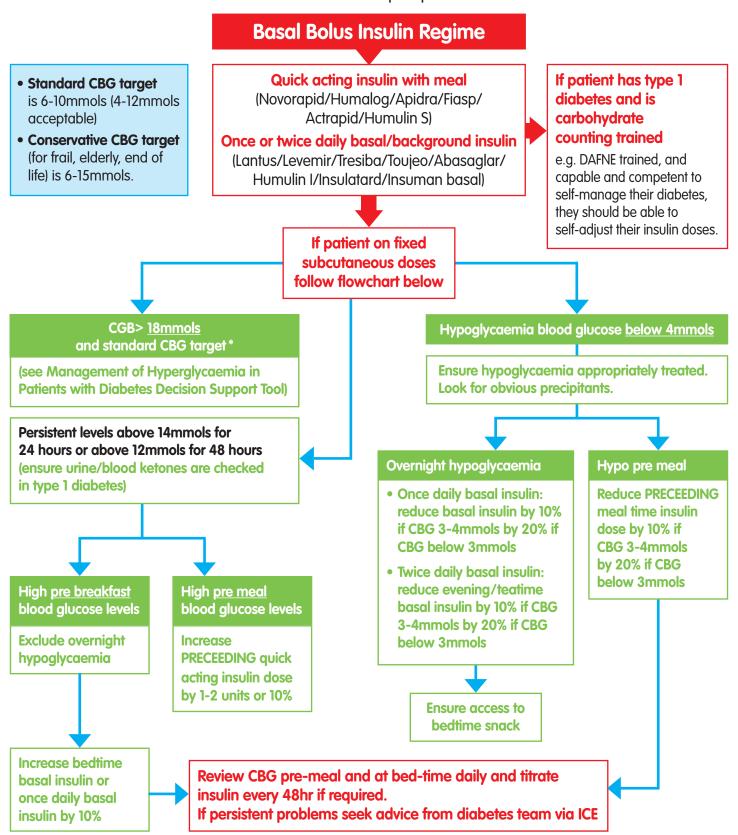




Insulin Dose Titration Decision Support Tool

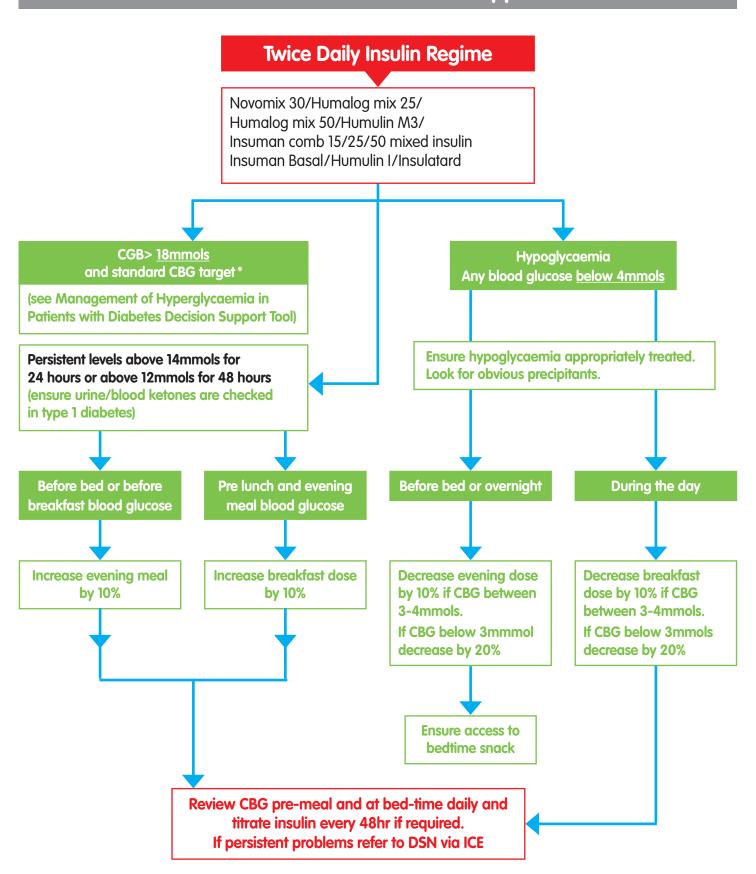
This Insulin Dose Titration Decision Support Tool is not applicable to patients on continuous subcutaneous insulin pump treament.







Insulin Dose Titration Decision Support Tool



- Standard CBG target is 6-10mmols (4-12mmols acceptable)
- Conservative CBG target (for frail, elderly, end of life) is 6-15mmols.





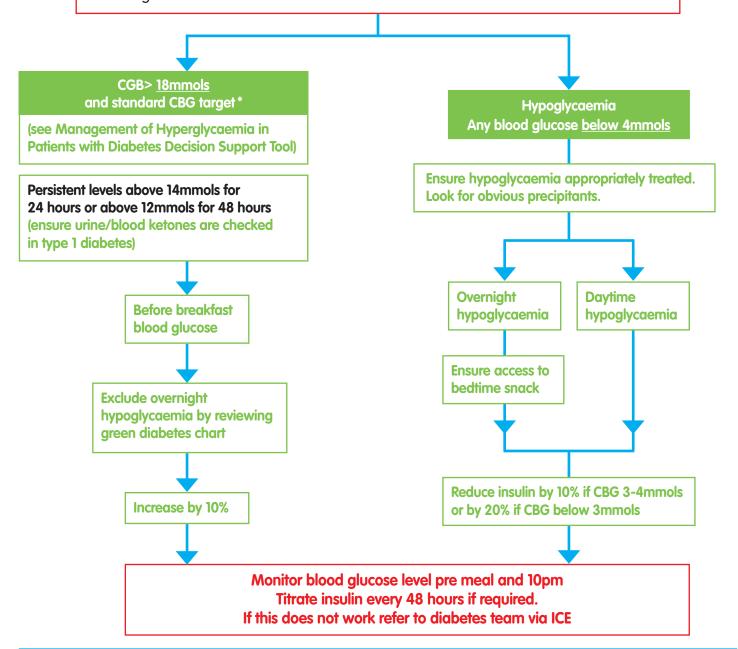
Insulin Dose Titration Decision Support Tool

Once Daily Insulin Regime

Levemir (Detemir)/Lantus/Insulatard/Humulin I/Insuman basal/Tresiba/Toujeo/Abasaglar

Please note:

- Once daily regimen titration should be based on pre breakfast blood glucose levels.
 Daytime levels will probably be higher but expected to fall overnight.
 If daytime hyperglycaemia is a problem, regimen may need changing so refer to DSN team
- Patients on once daily insulin regimes usually have type 2 diabetes and take other glucose lowering medications. These should also be reviewed when insulin doses reviewed.



- **Standard CBG target** is 6-10mmols (4-12mmols acceptable)
- Conservative CBG target (for frail, elderly, end of life) is 6-15mmols.





Insulin Dose Titration Decision Support Tool Guidance Notes

Sepsis, reduced mobility, stress, steroids and supplementary feeding can all have an effect and may increase blood glucose levels.

Once the patient is well, doses may need reducing back to their pre-admission doses to prevent hypoglycaemia at home.

- Ensure medication has been given as prescribed and patient compliant with regimen
- Ensure correct insulin is being administered at correct time Insulin is a time-critical medication

Right person

Right insulin

Right time

Right place

Right dose

Right device



Never abbreviate units to "u" or "iu" as abbreviation can result in a 10x insulin overdose.

- Exclude any mechanical problems with insulin delivery device (pen device working correctly?)
- Insulin pen devices should be prescribed on a named patient basis and should always be used with an insulin safety needle.
- Use insulin safety syringe for administration if using a vial of insulin.

Never draw insulin from a pen device with a syringe

- Insulin should be shaken prior to administration
- Offer a bedtime snack to all patients on insulin. If the patient usually has a bedtime snack at home this should continue in hospital.
- Check any episodes of hypoglycaemia are not a direct result of receiving PRN insulin doses (see prn insulin decision support tool)
- Review glucose control on a daily basis
- Patients on insulin must have an insulin time-critical aide in their bedside notes and a magnet on the white board to prompt timely insulin administration.

Know what you are doing

• Ensure you have had sufficient training to enable you to prescribe, administer and titrate insulin doses safely.