























Know your insulins

Acting time	100 units/1mL unless otherwise stated	When to administer
Ultra short acting	 Fiasp® FlexTouch (Insulin aspart)  Apidra® Solostar (Insulin glulisine)  NovoRapid® Flexpen (Insulin aspart)  Humalog® KwikPen (Insulin lispro)  Humalog® U-200 KwikPen (Insulin lispro) 200 units/1mL	IMMEDIATELY before meals
Short acting	 Actrapid® (Neutral)  Humulin R® (Neutral) Insulin Infusat® (Neutral) is available via SAS	Within 30 minutes before meals
Intermediate acting	 Humulin NPH® (Isophane)  Protaphane® (Isophane)  Protaphane® Innolet (Isophane)	ONCE or TWICE daily
Mixed long and short acting	 Humulin 30/70® (Insulin neutral/isophane)  Mixtard 30/70® (Insulin neutral/isophane)  Mixtard 30/70® Innolet (Insulin neutral/isophane) Other less commonly used formulations include Mixtard 50/50® (Insulin neutral/isophane)	ONCE or TWICE daily Within 30 minutes before meals
Mixed long acting with ultra short acting	 NovoMix 30® Flexpen (Insulin aspart/insulin aspart protamine) Other less commonly used formulations include Humalog Mix 50® (Insulin lispro/insulin lispro protamine)  Humalog Mix 25® KwikPen (Insulin lispro/insulin lispro protamine)	ONCE or TWICE daily IMMEDIATELY before meals
Mixed ultra long acting with ultra short acting	 Ryzodeg 70/30® FlexTouch (Insulin degludec/Insulin aspart)	ONCE or TWICE daily IMMEDIATELY before meals
Long acting	 Levemir® Flexpen (Insulin detemir)	ONCE or TWICE daily
	 Optisulin® Solostar (Insulin glargine)  Semglee® (Insulin glargine)	ONCE daily
Long acting high concentration	<p>Different strengths of insulin glargine are not interchangeable. It is recommended patients continue their same preparation whilst in hospital.</p>  Toujeo® Solostar (Insulin glargine) 300units/1mL	ONCE daily

Take care when prescribing or administering insulin

- Insulin should be ordered as 'units', not 'U'.
- Prescribe insulins by brand names, where possible, to reduce risk of selection error.
- If a patient is fasting, ask the doctor to review the prescription prior to administration of insulin.
- Cartridges or pen injectors are for Single Patient Use Only and labelled with patient details.
- Insulin currently in use for the patient can be kept at room temperature for 28 days or as per the product information.
- Please be aware of new high concentration insulins that are available in the community, these include;
 - » Toujeo® Solostar (insulin glargine)
 - » Humalog U200 KwikPen® (insulin lispro)
 - » Humulin R-500 KwikPen® (insulin neutral)

Contact your clinical pharmacist or diabetes clinical nurse specialist for more information