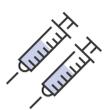


Initiation of iGlarLixi vs Basal-Bolus Insulin in Adults With Type 2 Diabetes Advancing From Basal Insulin Therapy: The SoliComplex Real-World Study

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BACKGROUND



When type 2 diabetes is suboptimally controlled with basal insulin, multiple daily injections of prandial insulin are commonly added (basal-bolus regimen); this can increase treatment burden and risk of hypoglycemia, both of which are of concern to older adults



Older patients are a heterogeneous population; for some, stringent glycemic control may not be a top priority, but rather safety and simplicity should take precedence



Once-daily iGlarLixi is an alternative to basal-bolus insulin

OBJECTIVE

Compare treatment persistence, treatment adherence, hypoglycemia rates, A1C change from baseline, HRU, and costs in adults with type 2 diabetes who previously received basal insulin and newly initiated iGlarLixi or basal-bolus insulin

METHODS

Retrospective, Real-World Observational Study

Study Population



Data from the US Optum Clinformatics claims database



Adults with type 2 diabetes aged ≥18 years at index date who received ≥1 fill of basal insulin

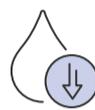


Continuous medical and prescription drug coverage for the 6 months prior to index date

During the 6-month baseline period

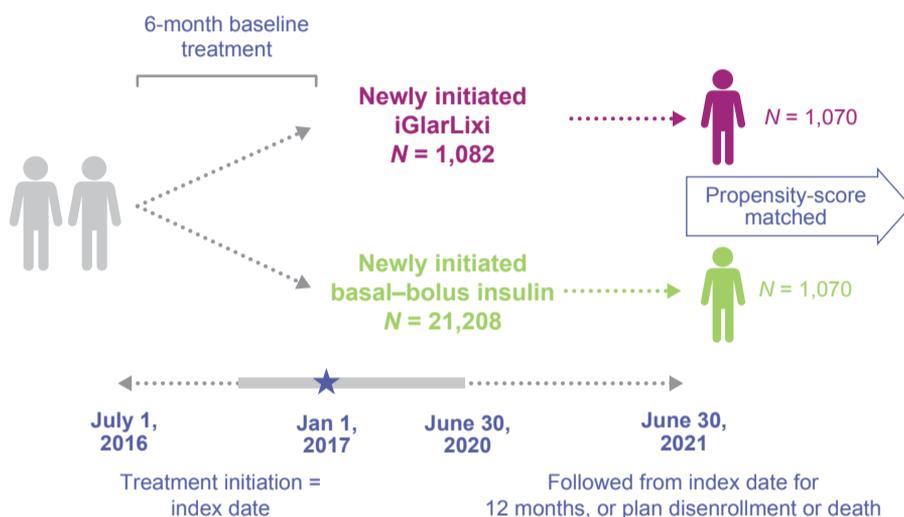


No prior iGlarLixi or bolus insulin fills



≥1 valid A1C value (between 5 and 15%)

Study Design



Outcomes at 12 months:

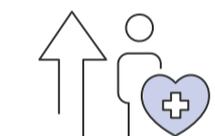
- Persistence (primary)
- Adherence
- Hypoglycemia
- HRU
- Costs
- A1C change

Assessed to:

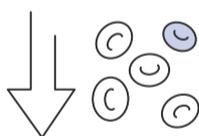
- Overall population (primary)
- Subgroup aged ≥65 years
- Subgroup with baseline A1C ≥9%

KEY RESULTS

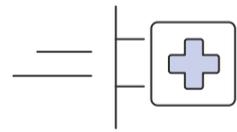
Initiation of iGlarLixi versus basal-bolus insulin was associated with:



Significantly **higher** treatment persistence



Lower hypoglycemia events



Similar ED visits



Lower all-cause total health care costs



Slightly smaller A1C reduction at 12 months

Outcomes at 12 Months in PSM Cohorts



CONCLUSIONS



This retrospective study in people with type 2 diabetes suboptimally controlled on basal insulin showed that initiation of once-daily iGlarLixi was associated with higher treatment persistence and adherence, and lower hypoglycemia rates than basal-bolus insulin without increasing HRU or costs

- Although A1C reduction was slightly larger for basal-bolus insulin, basal-bolus regimens have increased treatment complexity
- Subgroup analyses revealed that the results in people aged ≥65 years or with A1C ≥9% were similar to the overall population
- iGlarLixi is a suitable alternative to basal-bolus insulin for older people who may require reduced complexity of treatment and burden of management