

Beth Israel Lahey Health GLP-1RA Conversion Guide

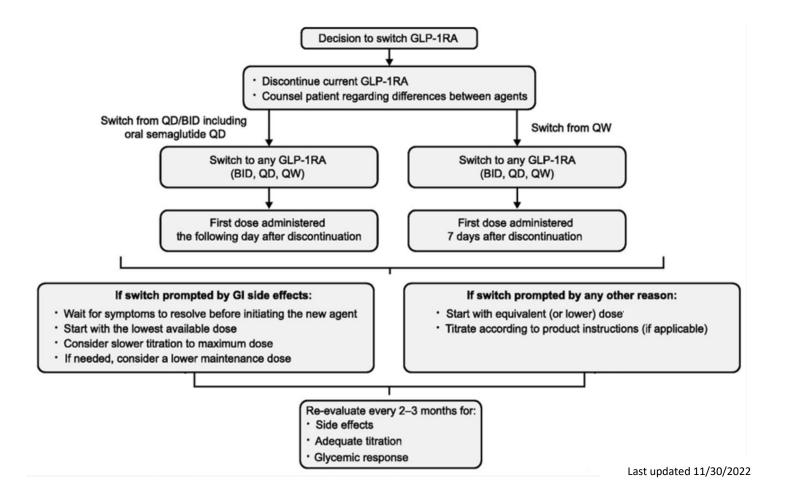
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The purpose of this guide is to assist with the conversion of GLP1-RA's due to current product shortages. Assessment of equivalent dose is based on head-to-head clinical trials when available and/or clinical experience. This guide does not replace clinical judgment.

Drug	Frequency	Equivalent Dose (A1c Reduction)							
Dulaglutide (Trulicity) ¹	Weekly		0.75 mg	1.5 mg	3 mg ⁴	4.5 mg ⁴			
Semaglutide (Ozempic) ¹	Weekly	0.25 mg ²		0.5 mg	1 mg	2 mg			
Liraglutide (Victoza) ¹	Daily	0.6 mg ²	1.2 mg	1.8 mg					
Oral Semaglutide (Rybelsus)	Daily	3 mg ²	7 mg	14 mg					
Exenatide (Bydureon BCise) ³	Weekly		2 mg ³						
Exenatide (Byetta)	Twice	5 mcg	10 mcg						
Rarely used, not recommended	Daily								
to initiate									
Tirzepatide (Mounjaro)	Given novel mechanism (GIP/GLP1), consider starting at initiation dose of 2.5 mg ² once								
	weekly x 4 weeks, then increase to 5 mg once weekly. Continue to increase by 2.5 mg								
	increments every 4 weeks as tolerated for additional glycemic control.								
	Not currently indicated for ASCVD risk reduction.								

¹Agents with ASCVD evidence in bold

⁴ Additional A1c reduction not as significant as weight reduction at higher doses



² Starting doses not considered therapeutic. Increase dose after indicated duration, if tolerating.

³ Increased risk of injection site reactions vs. Trulicity, Ozempic, and Victoza.



Summary of Clinical Evidence and Comparison Chart

Trial	Active Comparators	Background Regimen	Time Point for efficacy, weeks	A1c reduction	Weight loss, kg	Adverse Effects: D/C due to GI adverse events
Award 11	Trulicity 1.5 mg vs. Trulicity 3 mg	Metformin	36	Trulicity 1.5 mg: -1.5% Trulicity 3 mg: - 1.6% not statistically sig	-8.4 lbs (3 mg)	3.1%
Award 11	Trulicity 1.5 mg vs. Trulicity 4.5 mg	Metformin	36	Trulicity 4.5 mg: -1.8% P <0.001	-10.1 lbs (4.5 mg)	3.1%
SUSTAIN 7	Ozempic 1 mg vs. Trulicity 1.5 mg	Metformin	40	Ozempic 1 mg: - 1.6% Trulicity 1.5 mg: -1.3% p=0.0004	Ozempic 1 mg: -12.8 lbs Trulicity 1.5 mg: -6.2 lbs	6% (vs. 5% Trulicity)
SUSTAIN FORTE	Ozempic 1 mg vs. Ozempic 2 mg	Metformin +/- SFU	40	Ozempic 1 mg: - 1.9% Ozempic 2 mg: -2.1% P < 0.01	Ozempic 2 mg: -14.2 Ozempic 1 mg: -12.5 lbs	Not documented. Nausea 14% vs. 15%
SURPASS-2	Ozempic 1 mg vs. Mounjaro 5 mg, 10 mg, 15 mg	Metformin	40	Mounjaro 5 mg: -2% Mounjaro 10 mg: -2.2% Mounjaro 15 mg: -2.3% Ozempic 1 mg: - 1.9%	Mounjaro 5 mg: -17 lbs Mounjaro 10 mg: -21 lbs Mounjaro 15 mg: -25 lbs Ozempic 1 mg: -13 lbs	Mounjaro 5 mg: 2.8% Mounjaro 10 mg 4.3% Mounjaro 15 mg: 4.3% Ozempic 1 mg: 3.2%

References:

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