Supplemental Digital Table 1

Subgroup Analysis of Assessment Case Composite Goal Outcomes by PGY Level, from a Randomized Study of Virtual, Case-Based Simulation Improves Diabetes Management, 2010–2011[a]

| Case | No. (%) | | P-value |
	Intervention[b]	Control[b]	
Case 1			
Case to composite goal ignoring appropriate/ safe criteria			
All PGY	72 (74.7)	135 (20.3)	<.001[c]
PGY1	33 (72.6)	46 (16.3)	<.001
PGY2	33 (84.9)	48 (23.5)	<.001
PGY3–4	30 (64.9)	41 (21.2)	.003
Case to composite goal including appropriate/safe criteria			
All PGY	96 (21.2)	135 (1.8)	.002[c]
PGY1	33 (29.9)	46 (0.0)	<.001
PGY2	33 (17.8)	48 (5.7)	.09
PGY3–4	30 (19.2)	41 (0.0)	.001
Case 2			
Case to composite goal ignoring appropriate/safe criteria			
All PGY	95 (95.7)	129 (63.2)	<.001[c]
PGY1	33 (89.3)	45 (63.9)	.01
PGY2	33 (100.0)	44 (59.4)	<.001
PGY3–4	29 (100.0)	40 (65.8)	<.001
Case to composite goal including appropriate/safe criteria			
All PGY	95 (15.7)	129 (4.7)	.02
PGY1	33 (22.2)	45 (5.0)	.04
PGY2	33 (14.4)	44 (2.2)	.08
PGY3–4	29 (9.7)	40 (7.0)	.67
Case 3			
Case to composite goal ignoring appropriate/safe criteria			
All PGY	92 (82.3)	127 (33.3)	<.001[c]

PGY1	32 (84.5)	44 (25.5)	<.001
PGY2	32 (96.8)	44 (36.4)	<.001
PGY3–4	28 (62.5)	39 (39.1)	.07
Case to composite goal including appropriate/safe criteria			
All PGY	92 (48.0)	127 (10.4)	<.001[c]
PGY1	32 (50.6)	44 (7.2)	<.001
PGY2	32 (61.9)	44 (9.1)	<.001
PGY3–4	28 (28.8)	39 (15.3)	.19
Case 4			
Case to composite goal ignoring appropriate/safe criteria			
All PGY	90 (96.6)	127 (83.5)	.02
PGY1	32 (90.4)	44 (78.6)	.19
PGY2	32 (100.0)	44 (81.8)	.01
PGY3–4	26 (100.0)	39 (89.9)	.09
Case to composite goal including appropriate/safe criteria			
All PGY	90 (42.1)	127 (18.7)	.002[c]
PGY1	32 (43.0)	44 (19.3)	.03
PGY2	32 (38.2)	44 (24.9)	.22
PGY3–4	26 (45.4)	39 (11.0)	.005

Abbreviations: PGY = postgraduate year; A1c = glycosylated hemoglobin; BMI = Body Mass Index; SBP = systolic blood pressure; DBP = diastolic blood pressure; CHD = coronary heart disease; LDL = low density lipoprotein; T1DM = type 1 diabetes; T2DM = type 2 diabetes.

[a] Criteria for determining appropriate and safe goal achievement are presented in Table 3

[b] Proportions and p-values based on generalized linear mixed regression models with adjustment for pre-intervention self-assessed knowledge composite, except where noted.

[c] $P < .0125$, Bonferroni correction for case to composite goal across four cases and case appropriately and safely to goal across four cases.