

New Table 3A. Best-Fitting Multivariate Multinomial Logistic Regression Model Predicting Year 3 Glucose Group (Normal, Impaired Fasting Glucose, Diabetes Mellitus)

THIS ANALYSIS: uses the new version of Year 3 Smoking Status [if smoking at either 6-months or 3 years (or both), then the variable was coded as smoking]. Differences in the significance of effects (original vs new results) are highlighted in BLUE.

New Table 3A	ORIGINAL ANALYSIS				NEW ANALYSIS (Uses new Year 3 Smoking Status Variable)			
	Year 3 IFG		Year 3 diabetes mellitus		Year 3 IFG		Year 3 diabetes mellitus	
Main Effects or Interactions	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value
Year 3 smoking status (abstinent vs. smoking)	0.75	0.387	0.73	0.392	2.67	0.102	0.34	0.560
Age (years)	9.46	0.011	14.53	0.0001	6.63	0.010	14.02	0.0002
Gender	0.85	0.357	2.29	0.131	0.40	0.526	3.70	.055
Race	0.03	0.853	1.64	0.201	0.03	0.869	1.26	0.262
Study site	37.45	<0.0001	1.31	0.253	36.77	<0.0001	1.05	0.306
Baseline weight (kg)	6.35	0.012	14.31	0.0002	2.91	0.088	5.35	0.021
Δ Weight change, year 3 – baseline	0.44	0.506	3.19	0.074	0.27	0.602	5.17	0.023
Baseline smoking rate (cigarettes per day)	0.24	0.627	1.24	0.265	0.15	0.702	7.06	0.008
Baseline IFG group (glucose < 100 mg/dL vs. glucose \geq 100 mg/dL and \leq 125 mg/dL)	40.85	<0.0001	15.95	<0.0001	41.96	<0.0001	16.30	<0.0001
Baseline hemoglobin A ₁ C group (< 5.7% vs. \geq 5.7%)	1.70	0.193	16.04	<0.0001	1.44	0.230	19.52	<0.0001

New Table 3A	ORIGINAL ANALYSIS				NEW ANALYSIS (Uses new Year 3 Smoking Status Variable)			
	Year 3 IFG		Year 3 diabetes mellitus		Year 3 IFG		Year 3 diabetes mellitus	
Main Effects or Interactions	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value
Interactions:								
Baseline weight * year 3 smoking status	1.41	0.235	6.10	0.014	5.32	0.021	8.25	0.004
Weight change * baseline cigarettes per day	1.46	0.228	0.09	0.755	1.88	0.170	0.93	0.335
Baseline cigarettes/day * year 3 smoking status	1.53	0.217	9.07	0.003	2.68	0.101	18.56	<0.001

Reference group = normal Year 3 glycemic status; IFG = impaired fasting glucose

NOTE: In the new analysis, “Year 3 smoking status” was coded so that “abstinent” required CO-confirmed abstinence at both 6 months and at Year 3; if smoking at either 6-months or 3 years (or both), then the variable was coded as smoking.

New Table 3B. Best-Fitting Multivariate Multinomial Logistic Regression Model Predicting Year 3 Glucose Group (Normal, Impaired Fasting Glucose, Diabetes Mellitus)

THIS NEW ANALYSIS: Uses the New Version of Year 3 Smoking Status [if smoking at either 6-months or 3 years (or both), then the variable was coded as smoking] PLUS it adds treatment (with Dummy-Coded Variables). Differences in the significance of effects (original vs new results) are highlighted in BLUE.

New Table 3B	ORIGINAL ANALYSIS				NEW ANALYSIS (Adds Treatment Variables and Uses New Year 3 Smoking Status Variable)			
	Year 3 IFG		Year 3 diabetes mellitus		Year 3 IFG		Year 3 diabetes mellitus	
Main Effects or Interactions	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value
Year 3 smoking status (abstinent vs. smoking)	0.75	0.387	0.73	0.392	2.68	0.102	0.028	0.868
Age (years)	9.46	0.011	14.53	0.0001	6.83	0.009	13.83	0.0002
Gender	0.85	0.357	2.29	0.131	0.52	0.471	4.22	0.040
Race	0.03	0.853	1.64	0.201	0.018	0.893	1.42	0.233
Study site	37.45	<0.0001	1.31	0.253	38.67	<0.0001	1.12	0.290
Baseline weight (kg)	6.35	0.012	14.31	0.0002	3.24	0.072	4.74	0.0294
Δ Weight change, year 3 – baseline	0.44	0.506	3.19	0.074	0.29	0.590	5.43	0.0198
Baseline smoking rate (cigarettes per day)	0.24	0.627	1.24	0.265	0.16	0.692	6.82	0.009
Baseline IFG group (glucose < 100 mg/dL vs. glucose \geq 100 mg/dL and \leq 125 mg/dL)	40.85	<0.0001	15.95	<0.0001	41.94	<0.0001	16.20	<0.0001

New Table 3B	ORIGINAL ANALYSIS				NEW ANALYSIS (Adds Treatment Variables and Uses New Year 3 Smoking Status Variable)			
	Year 3 IFG		Year 3 diabetes mellitus		Year 3 IFG		Year 3 diabetes mellitus	
Main Effects or Interactions	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value
Baseline hemoglobin A ₁ C group (< 5.7% vs. \geq 5.7%)	1.70	0.193	16.04	<0.0001	1.59	0.208	20.90	<0.0001
Bupropion	-	-	-	-	0.11	.740	0.389	0.533
Lozenge	-	-	-	-	0.02	.895	1.06	0.304
Patch	-	-	-	-	0.95	0.330	0.0003	0.987
Bupropion + Lozenge	-	-	-	-	0.19	0.665	1.73	0.189
Patch + Lozenge	-	-	-	-	1.02	0.312	2.10	0.148
Interactions:								
Baseline weight * year 3 smoking status	1.41	0.235	6.10	0.014	5.12	0.024	8.90	0.0029
Weight change * baseline cigarettes per day	1.46	0.228	0.09	0.755	1.87	0.171	1.28	0.258
Baseline cigarettes/day * year 3 smoking status	1.53	0.217	9.07	0.003	2.45	0.117	17.48	<0.0001
Bupropion * year 3 smoking status	-	-	-	-	0.59	0.443	0.16	0.691
Lozenge * year 3 smoking status	-	-	-	-	1.10	0.294	0.05	0.825
Patch * year 3 smoking status	-	-	-	-	0.15	0.701	1.87	0.171

New Table 3B	ORIGINAL ANALYSIS				NEW ANALYSIS (Adds Treatment Variables and Uses New Year 3 Smoking Status Variable)			
	Year 3 IFG		Year 3 diabetes mellitus		Year 3 IFG		Year 3 diabetes mellitus	
Main Effects or Interactions	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value	Wald χ^2	p-value
Bupropion + Lozenge * year 3 smoking status	-	-	-	-	0.12	0.724	0.74	0.389
Patch + Lozenge * year 3 smoking status	-	-	-	-	0.41	0.522	0.68	0.411

Reference group = normal Year 3 glycemic status; IFG = impaired fasting glucose

NOTE: In the new analysis, “Year 3 smoking status” was coded so that “abstinent” required CO-confirmed abstinence at both 6 months and at Year 3; if smoking at either 6-months or 3 years (or both), then the variable was coded as smoking.