

APPENDIX**Table 1A: Final sample size derived after execution of inclusion criteria**

Criteria	Number remaining
No. of patients with an oral anti-diabetic claim between January 1, 2009 and December 31, 2010	87,251
No. of patients with no oral anti-diabetic claims in the pre-index period	43,324
No. of patients continuously enrolled during the pre- and post-index periods	22,441
No. of patients with at least 2 oral anti-diabetic claims in the post-index period	19,653
No. of patients with either no antipsychotic drug claims or at least 2 antipsychotic drug claims in the pre- and post-index periods	18,999*
No. of patients with no antipsychotic drug claims in the pre- and post-index periods	17,043
No. of patients with at least 2 antipsychotic drug claims in the pre- and post-index periods	1,956
No. of patients in each group post matching based on CDS	1,821

*Patients with only 1 antipsychotic drug claim in either the pre- or post-index period were not included.

Table 2A: Demographic and clinical characteristics of patients by antipsychotic medication use status in CDS-matched groups

Characteristic	Oral anti-diabetics only (N=2,430)		Oral anti-diabetics + Antipsychotics (N=2,430)		Test statistic	Degrees of freedom	p-value
	N	%	N	%			
Age at index ^a	46.3 ± 13.2		46.3 ± 11.6		t=0.13	2429	.895
Gender (Females) ^b	1,728	71.1	1,534	63.1	S=34.53	1	<.001
Days' supply for the oral anti-diabetic medication ^b					S=48.28	1	<.001
1-30 days	993	40.9	1,185	48.8			
31-60 days	758	31.2	756	31.1			
More than 60 days	679	27.9	489	20.1			
PDC for oral anti- diabetic medication ^a	.54 ± .28		.61 ± .29		t=-8.18	2429	<.001
Persistence to oral anti- diabetic medication ^a	144.8 ± 114.4		172.1 ± 123.6		t=-8.02	2429	<.001
Adherent to oral anti- diabetic medication (PDC>=0.80) ^b	568	23.4	827	34.0	S=64.42	1	<.001

PDC- proportion of days covered

^a Test statistic used: paired sample t-test

^b Test statistic used: McNemars test

Table 3A: Logistic regression analysis of factors associated with post-index oral anti-diabetic medication adherence (PDC \geq .80)

Characteristic	X ² statistic	Odds ratio	95% CI of odds ratio	p-value
Age at index	39.93	1.02	1.01-1.02	<.001
Gender (Female)	14.05	.77	.67-.88	<.001
CDS	55.03	1.09	1.07-1.12	<.001
Days' supply	72.31			<.001
1-30 days vs. more than 60 days		.54	.48-.62	<.001
31-60 days vs. more than 60 days		.49	.42-.57	<.001
Antipsychotic use (Yes)	83.56	1.84	1.62-2.09	<.001

CI – Confidence interval

PDC – Proportion of days covered

CDS – Chronic disease score