

Baseline Characteristic	No Diabetes (N=126)	Incident Prediabetes (N=143)	Incident Diabetes (N=182)	p value
ESS, [n] mean ± SD	[72] 11.6 ± 6.1	[73] 11.9 ± 5.6	[92] 11.1 ± 5.3	0.66
split, N(%)	44 (43.6)	68 (54.0)	109 (68.1)	<0.01
Supine Apnea Index, events/h, mean ± SD	0.1 ± 0.1	0.1 ± 0.2	0.2 ± 0.4	<0.01
CPAP use, N (%)	41 (32.5)	44 (30.8)	77 (42.3)	0.0639
Respiratory Arousal Index, events/h, mean ± SD	16.9 ± 21.0	22.8 ± 23.0	31.9 ± 29.6	<.0001
Spontaneous Arousal Index, events/h, mean ± SD	18.3 ± 14.8	16.7 ± 11.4	17.5 ± 11.7	0.556
Total Arousal index, events/h, mean ± SD	37.4 ± 26.4	42.3 ± 26.9	50.6 ± 31.8	<0.01
Snoring Index), events/h, mean ± SD	0.2 ± 0.3	0.3 ± 0.4	0.3 ± 0.5	0.20
Obstructive Apnea Index, events/h, mean ± SD	0.2 ± 0.3	0.3 ± 0.4	0.3 ± 0.4	0.01
Central Apnea Index, events/h, mean ± SD	1.3 ± 2.7	1.7 ± 4.6	2.1 ± 6.2	0.34
Hypopnea Index, events/h, mean ± SD	7.9 ± 11.3	9.9 ± 11.6	12.5 ± 13.9	<0.01
Cheyne-Stroke Pattern, n (%)	1 (0.8)	5 (3.5)	10 (5.5)	0.07
PLM index, events/h, mean ± SD	0.2 ± 0.4	0.2 ± 0.4	0.1 ± 0.3	0.29
Desaturation >4%, mean ± SD	32.1 ± 39.1	45.3 ± 43.8	50.5 ± 45.2	<0.01
Oxygen Desaturation Nadir, mean ± SD	84.7 ± 6.3	83.3 ± 7.1	81.4 ± 7.4	<0.01
T=60-89%, minutes, mean ± SD	12.2 ± 36.3	12.1 ± 29.9	20.2 ± 43.1	0.08
T=90-99%, minutes, mean ± SD	215.8 ± 123.9	187.9 ± 121.3	150.3 ± 105.9	<.01
Mean Nocturnal Oxygen Saturation, mean ± SD	93.5 ± 2.6	92.9 ± 2.6	92.0 ± 4.0	<0.01
Oxygen at Night utilized during sleep study, liters, mean ± SD	[6] 2.0 ± 0.6	[4] 2.8 ± 1.5	[8] 2.3 ± 0.5	0.39
Chronic Oxygen Use, n (%)	6 (4.8)	4 (2.9)	9 (5.0)	0.64
Apnea hypopnea index, mean ± SD	17.7 ± 22.4	24.5 ± 27.3	30.3 ± 31.5	<0.01

[n] described separately in demographics with missing data, CPAP = continuous positive airway pressure, PLM = periodic limb movement.

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Age, (n) mean ± SD, years	56.9 ± 12.6	57.5 ± 12.4	56.2 ± 10.6	0.63
Employment, N (%)				0.69
*Unemployed	42 (33.3)	44 (30.8)	70 (38.5)	
*Employed	54 (42.9)	63 (44.1)	72 (39.6)	
*Retired	30 (23.8)	36 (25.2)	40 (22.0)	
Race, N (%)				0.64
*White	96 (76.2)	115 (80.4)	141 (77.5)	
*Black	16 (12.7)	17 (11.9)	28 (15.4)	
*Hispanic or Other	14 (11.1)	11 (7.7)	13 (7.1)	
Calculated BMI, [n] mean ± SD	[121] 31.5 ± 5.5	[135] 32.7 ± 6.6	[173] 35.8 ± 6.8	<.01
Pulmonary Disease, N (%)				
*Chronic Pulmonary Disease	42 (33.3)	43 (30.3)	50 (27.5)	0.54
*Pulmonary Hypertension	4 (3.2)	3 (2.1)	6 (3.3)	0.83
Alternative to CPAP, N (%)				
*ENT intervention	1 (0.8)	0 (0.0)	0 (0.0)	0.28
*MAD intervention	0 (0.0)	1 (0.7)	0 (0.0)	0.60
Prednisone (Oral Steroids), N (%)	2 (1.6)	6 (4.2)	6 (3.3)	0.49
Betablockers, N (%)	36 (28.6)	46 (32.2)	47 (25.8)	0.45
Antihistamines (H2 Blocker), N (%)	9 (7.1)	11 (7.7)	22 (12.1)	0.36
Muscle Relaxants (Neuro-muscle relaxant), N (%)	12 (9.5)	7 (4.9)	10 (5.5)	0.24