

**Supplemental Table 3** Summary of AEs with  $\geq 2\%$  in the DYNAGITO study population (safety set)

	Japanese subgroup			Overall study population		
	TIO (n=235)	TIO + OLO (n=226)	Japanese (n=461)	TIO (n=3941)	TIO + OLO (n=3939)	Overall (n=7880)
Any AE	196 (83.4)	194 (85.8)	390 (84.6)	2937 (74.5)	2920 (74.1)	5857 (74.3%)
AEs leading to death	6 (2.6)	1 (0.4)	7 (1.5)	123 (3.1)	110 (2.8)	233 (3.0)
Ae by system organ class and preferred term						
Respiratory, thoracic and mediastinal disorders	97 (41.3)	94 (41.6)	191 (41.4)	2043 (51.8)	2018 (51.2)	4061 (51.5)
COPD	79 (33.6)	66 (29.2)	145 (31.5)	1726 (43.8)	1730 (43.9)	3456 (43.9)
Dyspnea	4 (1.7)	2 (0.9)	6 (1.3)	242 (6.1)	209 (5.3)	451 (5.7)
Cough	2 (0.9)	4 (1.8)	6 (1.3)	155 (3.9)	136 (3.5)	291 (3.7)
Infections and infestations	119 (50.6)	130 (57.5)	249 (54.0)	1198 (30.4)	1177 (29.9)	2375 (30.1)
Viral upper respiratory tract infection	57 (24.3)	55 (24.3)	112 (24.3)	293 (7.4)	281 (7.1)	574 (7.3)
Pneumonia	33 (14.0)	34 (15.0)	67 (14.5)	199 (5.0)	189 (4.8)	388 (4.9)

Bronchitis	20 (8.5)	29 (12.8)	49 (10.6)	122 (3.1)	123 (3.1)	245 (3.1)
Upper respiratory tract infection	10 (4.3)	11 (4.9)	21 (4.6)	119 (3.0)	101 (2.6)	220 (2.8)
Urinary tract infection	4 (1.7)	4 (1.8)	8 (1.7)	83 (2.1)	64 (1.6)	147 (1.9)
Musculoskeletal and connective tissue disorders	28 (11.9)	29 (12.8)	57 (12.4)	348 (8.8)	366 (9.3)	714 (9.1)
Back pain	4 (1.7)	11 (4.9)	15 (3.3)	91 (2.3)	96 (2.4)	187 (2.4)
Injury, poisoning and procedural complications	25 (10.6)	20 (8.8)	45 (9.8)	278 (7.1)	304 (7.7)	582 (7.4)
Overdose	1 (0.4)	5 (2.2)	6 (1.3)	61 (1.5)	87 (2.2)	148 (1.9)
Nervous system disorders	22 (9.4)	20 (8.8)	42 (9.1)	271 (6.9)	304 (7.7)	575 (7.3)
Headache	7 (3.0)	6 (2.7)	13 (2.8)	99 (2.5)	113 (2.9)	212 (2.7)
Vascular disorders	11 (4.7)	12 (5.3)	23 (5.0)	186 (4.7)	183 (4.6)	369 (4.7)
Hypertension	6 (2.6)	9 (4.0)	15 (3.3)	108 (2.7)	96 (2.4)	204 (2.6)

**Abbreviations:** AE, adverse event; OLO, olodaterol; TIO, tiotropium.