

**Appendix 2a. Univariate and multivariate analysis to determine factors associated with
PIM according to POPI criteria**

Variable	Univariate analysis		Multivariate analysis	
<u>Model 1: Hospital prescription</u>	<i>OR* [CI 95%]</i>	<i>p-value</i>	<i>OR* [CI 95%]</i>	<i>p-value</i>
<i>Sex</i>				
Male	1			
Female	1.1 [0.9-1.3]	0.3		
<i>Age category</i>				
0 - 2 years	2.5 [1.6-3.9]	0.0001	2.5 [1.6-3.9]	< 0.001
2 - 6 years	4.0 [2.5-6.3]	< 0.0001	4.0 [2.5-6.3]	< 0.0001
6 - 12 years	2.2 [1.4-3.6]	0.0016	2.2 [1.4-3.6]	0.0016
12 - 18 years	1		1	
<u>Model 2: Community prescription</u>				
<i>Age category</i>				
0 - 2 years	0.8 [0.6-1.1]	0.1	0.7 [0.5-1.0]	0.06
2 - 6 years	2.0 [1.5-2.6]	< 0.0001	1.9 [1.4-2.4]	< 0.0001
6 - 12 years	1.9 [1.5-2.4]	< 0.0001	1.9 [1.5-2.5]	< 0.0001
12 - 18 years	1		1	
<i>Number of medications per prescription</i>	1.4 [1.3-1.6]	< 0.001	1.4 [1.3-1.6]	< 0.0001

OR: Odds ratio, CI: Confidence intervals.

Appendix 2b. Univariate and multivariate analysis to determine factors associated with PPO according to POPI criteria

Variable	Univariate analysis p		Multivariate analysis	
	<i>OR* [CI 95%]</i>	<i>p-value</i>	<i>OR* [CI 95%]</i>	<i>p-value</i>
<u>Model 1: Hospital prescription</u>				
<i>Sex</i>				
Male	1			
Female	1.1 [0.9 ; 1.3]	0.3053		
<i>Age category</i>				
0 - 2 years	1.1 [0.7 ; 1.6]	0.7703	1.1 [0.7 ; 1.6]	0.7703
2 - 6 years	1.4 [0.9 ; 2.1]	0.0761	1.4 [0.9 ; 2.1]	0.0761
6 - 12 years	1.9 [1.3 ; 2.8]	0.0015	1.9 [1.3 ; 2.8]	0.0015
12 - 18 years	1		1	
<u>Model 2: Community prescription</u>				
<i>Age category</i>				
0 - 2 years	6.1 [2.9 ; 12.7]	<0.0001	6.1 [2.9 ; 12.9]	<0.0001
2 - 6 years	22.4 [11.4 ; 44.1]	<0.0001	22.4 [11.3 ; 44.3]	<0.0001
6 - 12 years	9.8 [4.9 ; 19.6]	<0.0001	10.2 [5.1 ; 20.7]	<0.0001
12 - 18 years	1			
<i>Number of medications per prescription</i>	1.2 [1.1 ; 1.3]	<.0001	1.2 [1.2 ; 1.4]	<0.0001

OR: Odds ratio, CI: Confidence intervals.