

## Appendix 1

### Beta-blocker use and up-titration after acute ST-segment elevation myocardial infarction: a cohort study

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### Supplementary tables

**Table S1:** Beta-blocker doses classified in two categories depending of the target dose (low dosing, <50% and high dosing, ≥50%).

	Beta-blocker dose (mg/day)		
	Low dosing (<50%)	High dosing (≥50%)	Target dose
Metoprolol	<100	≥100	200
Carvedilol	<25	≥25	50
Propranolol	<90	≥90	180
Bisoprolol	<5	≥5	10
Atenolol	<50	≥50	100
Nebivolol	<5	≥5	10

**Table S2:** Beta-blockers prescribed at discharge and at one year for each participant (n = 266), classified by left ventricular ejection fraction (LVEF) category.

Patient no.	LVEF category	BB discharge	BB dose discharge (mg)	BB one-year	BB dose one year (mg)
58	<40%	Bisoprolol	2.50	Bisoprolol	2.50
167	<40%	Bisoprolol	2.50	Bisoprolol	2.50
43	<40%	Bisoprolol	5.00	Bisoprolol	2.50
263	<40%	Bisoprolol	5.00	Bisoprolol	5.00
125	<40%	Carvedilol	6.25	Carvedilol	50.00
137	<40%	Carvedilol	6.25	Metoprolol	25.00
169	<40%	Carvedilol	12.50		
199	<40%	Carvedilol	12.50	Carvedilol	12.50
27	<40%	Metoprolol	12.50	Metoprolol	25.00
71	<40%	Metoprolol	12.50	Metoprolol	25.00
95	<40%	Metoprolol	12.50	Metoprolol	12.50
116	<40%	Metoprolol	12.50	Metoprolol	25.00
120	<40%	Metoprolol	12.50		
122	<40%	Metoprolol	12.50		

146	<40%	Metoprolol	12.50	Metoprolol	25.00
156	<40%	Metoprolol	12.50	Metoprolol	25.00
185	<40%	Metoprolol	12.50	Metoprolol	25.00
241	<40%	Metoprolol	12.50	Metoprolol	12.50
253	<40%	Metoprolol	12.50	Metoprolol	12.50
2	<40%	Metoprolol	25.00	Metoprolol	200.00
37	<40%	Metoprolol	25.00	Metoprolol	25.00
55	<40%	Metoprolol	25.00	Metoprolol	100.00
57	<40%	Metoprolol	25.00	Metoprolol	12.50
75	<40%	Metoprolol	25.00	Metoprolol	12.50
96	<40%	Metoprolol	25.00	Metoprolol	100.00
99	<40%	Metoprolol	25.00	Metoprolol	50.00
131	<40%	Metoprolol	25.00	Metoprolol	25.00
172	<40%	Metoprolol	25.00	Carvedilol	18.75
187	<40%	Metoprolol	25.00	Metoprolol	25.00
220	<40%	Metoprolol	25.00	Metoprolol	25.00
250	<40%	Metoprolol	25.00	Metoprolol	25.00
262	<40%	Metoprolol	25.00	Metoprolol	25.00
232	<40%	Metoprolol	37.50	Metoprolol	50.00
4	<40%	Metoprolol	50.00	Metoprolol	50.00
17	<40%	Metoprolol	50.00	Metoprolol	100.00
81	<40%	Metoprolol	50.00		
142	<40%	Metoprolol	50.00	Metoprolol	50.00
190	<40%	Metoprolol	50.00	Metoprolol	50.00
203	<40%	Metoprolol	50.00	Metoprolol	12.50
222	<40%	Metoprolol	50.00	Metoprolol	75.00
243	<40%	Metoprolol	50.00	Metoprolol	50.00
265	<40%	Metoprolol	50.00	Metoprolol	75.00
51	<40%	Metoprolol	125.00	Metoprolol	25.00
6	<40%				
33	<40%			Metoprolol	12.50
59	<40%			Metoprolol	12.50
66	<40%			Metoprolol	25.00
104	<40%				
106	<40%			Metoprolol	25.00
46	≥40%	Bisoprolol	2.50		
61	≥40%	Bisoprolol	2.50	Bisoprolol	2.50
112	≥40%	Bisoprolol	2.50		
159	≥40%	Bisoprolol	2.50	Bisoprolol	2.50
186	≥40%	Bisoprolol	2.50	Bisoprolol	2.50
238	≥40%	Bisoprolol	2.50	Bisoprolol	2.50
13	≥40%	Bisoprolol	5.00		
84	≥40%	Bisoprolol	5.00	Bisoprolol	5.00
100	≥40%	Bisoprolol	5.00	Bisoprolol	5.00
77	≥40%	Bisoprolol	10.00	Bisoprolol	5.00
124	≥40%	Carvedilol	6.25	Carvedilol	12.50
164	≥40%	Carvedilol	6.25		
213	≥40%	Carvedilol	6.25	Metoprolol	25.00
128	≥40%	Carvedilol	12.50	Bisoprolol	5.00

133	≥40%	Carvedilol	12.50	Carvedilol	12.50
205	≥40%	Carvedilol	25.00	Metoprolol	25.00
45	≥40%	Metoprolol	2.50	Metoprolol	25.00
1	≥40%	Metoprolol	12.50	Metoprolol	50.00
10	≥40%	Metoprolol	12.50		
15	≥40%	Metoprolol	12.50	Metoprolol	12.50
16	≥40%	Metoprolol	12.50	Metoprolol	25.00
19	≥40%	Metoprolol	12.50	Metoprolol	12.50
21	≥40%	Metoprolol	12.50	Propranolol	40.00
22	≥40%	Metoprolol	12.50	Metoprolol	25.00
23	≥40%	Metoprolol	12.50	Metoprolol	25.00
30	≥40%	Metoprolol	12.50		
31	≥40%	Metoprolol	12.50	Metoprolol	25.00
34	≥40%	Metoprolol	12.50	Metoprolol	50.00
39	≥40%	Metoprolol	12.50	Metoprolol	25.00
40	≥40%	Metoprolol	12.50	Metoprolol	25.00
41	≥40%	Metoprolol	12.50	Metoprolol	12.50
49	≥40%	Metoprolol	12.50	Metoprolol	12.50
50	≥40%	Metoprolol	12.50	Metoprolol	150.00
53	≥40%	Metoprolol	12.50	Metoprolol	25.00
72	≥40%	Metoprolol	12.50	Metoprolol	25.00
76	≥40%	Metoprolol	12.50	Metoprolol	12.50
86	≥40%	Metoprolol	12.50	Metoprolol	50.00
89	≥40%	Metoprolol	12.50	Metoprolol	12.50
90	≥40%	Metoprolol	12.50	Metoprolol	25.00
101	≥40%	Metoprolol	12.50		
114	≥40%	Metoprolol	12.50	Metoprolol	100.00
130	≥40%	Metoprolol	12.50	Metoprolol	12.50
135	≥40%	Metoprolol	12.50	Metoprolol	25.00
136	≥40%	Metoprolol	12.50	Metoprolol	12.50
141	≥40%	Metoprolol	12.50		
143	≥40%	Metoprolol	12.50	Metoprolol	25.00
148	≥40%	Metoprolol	12.50	Bisoprolol	1.25
150	≥40%	Metoprolol	12.50	Metoprolol	12.50
166	≥40%	Metoprolol	12.50	Metoprolol	12.50
177	≥40%	Metoprolol	12.50	Metoprolol	12.50
184	≥40%	Metoprolol	12.50	Metoprolol	25.00
207	≥40%	Metoprolol	12.50	Bisoprolol	2.50
214	≥40%	Metoprolol	12.50		
226	≥40%	Metoprolol	12.50		
233	≥40%	Metoprolol	12.50	Metoprolol	25.00
235	≥40%	Metoprolol	12.50	Metoprolol	25.00
237	≥40%	Metoprolol	12.50	Metoprolol	12.50
246	≥40%	Metoprolol	12.50	Metoprolol	12.50
247	≥40%	Metoprolol	12.50	Metoprolol	12.50
252	≥40%	Metoprolol	12.50	Metoprolol	12.50
255	≥40%	Metoprolol	12.50	Metoprolol	12.50
264	≥40%	Metoprolol	12.50	Metoprolol	12.50
266	≥40%	Metoprolol	12.50	Metoprolol	25.00

3	≥40%	Metoprolol	25.00	Metoprolol	50.00
5	≥40%	Metoprolol	25.00	Metoprolol	25.00
7	≥40%	Metoprolol	25.00	Metoprolol	25.00
9	≥40%	Metoprolol	25.00	Metoprolol	25.00
11	≥40%	Metoprolol	25.00	Metoprolol	25.00
14	≥40%	Metoprolol	25.00	Metoprolol	12.50
35	≥40%	Metoprolol	25.00	Metoprolol	100.00
36	≥40%	Metoprolol	25.00	Metoprolol	50.00
42	≥40%	Metoprolol	25.00	Metoprolol	50.00
44	≥40%	Metoprolol	25.00	Metoprolol	50.00
47	≥40%	Metoprolol	25.00	Metoprolol	50.00
54	≥40%	Metoprolol	25.00	Metoprolol	25.00
60	≥40%	Metoprolol	25.00	Metoprolol	50.00
74	≥40%	Metoprolol	25.00		
78	≥40%	Metoprolol	25.00		
79	≥40%	Metoprolol	25.00	Metoprolol	12.50
88	≥40%	Metoprolol	25.00		
92	≥40%	Metoprolol	25.00	Metoprolol	25.00
94	≥40%	Metoprolol	25.00	Metoprolol	25.00
108	≥40%	Metoprolol	25.00		
115	≥40%	Metoprolol	25.00	Metoprolol	25.00
118	≥40%	Metoprolol	25.00		
121	≥40%	Metoprolol	25.00	Metoprolol	50.00
126	≥40%	Metoprolol	25.00	Metoprolol	25.00
132	≥40%	Metoprolol	25.00	Metoprolol	25.00
134	≥40%	Metoprolol	25.00	Metoprolol	25.00
138	≥40%	Metoprolol	25.00	Metoprolol	12.50
139	≥40%	Metoprolol	25.00	Metoprolol	25.00
144	≥40%	Metoprolol	25.00	Metoprolol	25.00
145	≥40%	Metoprolol	25.00	Metoprolol	12.50
147	≥40%	Metoprolol	25.00	Metoprolol	12.50
151	≥40%	Metoprolol	25.00		
154	≥40%	Metoprolol	25.00	Metoprolol	25.00
157	≥40%	Metoprolol	25.00	Metoprolol	25.00
160	≥40%	Metoprolol	25.00	Metoprolol	12.50
163	≥40%	Metoprolol	25.00	Metoprolol	25.00
176	≥40%	Metoprolol	25.00	Metoprolol	125.00
191	≥40%	Metoprolol	25.00	Metoprolol	25.00
194	≥40%	Metoprolol	25.00	Metoprolol	50.00
196	≥40%	Metoprolol	25.00	Metoprolol	25.00
198	≥40%	Metoprolol	25.00	Metoprolol	25.00
202	≥40%	Metoprolol	25.00	Metoprolol	12.50
204	≥40%	Metoprolol	25.00		
208	≥40%	Metoprolol	25.00	Metoprolol	25.00
212	≥40%	Metoprolol	25.00	Metoprolol	50.00
216	≥40%	Metoprolol	25.00	Metoprolol	50.00
217	≥40%	Metoprolol	25.00	Metoprolol	25.00
221	≥40%	Metoprolol	25.00	Metoprolol	12.50
224	≥40%	Metoprolol	25.00	Metoprolol	25.00

225	≥40%	Metoprolol	25.00	Metoprolol	25.00
227	≥40%	Metoprolol	25.00		
229	≥40%	Metoprolol	25.00	Metoprolol	25.00
230	≥40%	Metoprolol	25.00	Metoprolol	25.00
231	≥40%	Metoprolol	25.00		
234	≥40%	Metoprolol	25.00	Metoprolol	25.00
239	≥40%	Metoprolol	25.00	Metoprolol	25.00
245	≥40%	Metoprolol	25.00	Metoprolol	25.00
254	≥40%	Metoprolol	25.00	Metoprolol	25.00
256	≥40%	Metoprolol	25.00	Metoprolol	25.00
258	≥40%	Metoprolol	25.00	Metoprolol	25.00
259	≥40%	Metoprolol	25.00		
260	≥40%	Metoprolol	25.00	Metoprolol	25.00
32	≥40%	Metoprolol	37.50	Metoprolol	25.00
70	≥40%	Metoprolol	37.50	Metoprolol	50.00
80	≥40%	Metoprolol	37.50	Nebivolol	5.00
82	≥40%	Metoprolol	37.50	Metoprolol	25.00
149	≥40%	Metoprolol	37.50	Metoprolol	50.00
155	≥40%	Metoprolol	37.50	Metoprolol	25.00
158	≥40%	Metoprolol	37.50	Metoprolol	25.00
182	≥40%	Metoprolol	37.50	Metoprolol	50.00
183	≥40%	Metoprolol	37.50	Metoprolol	12.50
197	≥40%	Metoprolol	37.50		
215	≥40%	Metoprolol	37.50	Metoprolol	37.50
223	≥40%	Metoprolol	37.50	Metoprolol	37.50
249	≥40%	Metoprolol	37.50	Metoprolol	37.50
251	≥40%	Metoprolol	37.50	Metoprolol	25.00
257	≥40%	Metoprolol	37.50	Metoprolol	50.00
24	≥40%	Metoprolol	50.00	Metoprolol	50.00
62	≥40%	Metoprolol	50.00	Nebivolol	5.00
64	≥40%	Metoprolol	50.00	Metoprolol	25.00
67	≥40%	Metoprolol	50.00	Metoprolol	50.00
91	≥40%	Metoprolol	50.00	Metoprolol	150.00
123	≥40%	Metoprolol	50.00		
127	≥40%	Metoprolol	50.00	Metoprolol	100.00
140	≥40%	Metoprolol	50.00	Metoprolol	50.00
153	≥40%	Metoprolol	50.00	Metoprolol	37.50
161	≥40%	Metoprolol	50.00	Nebivolol	2.50
168	≥40%	Metoprolol	50.00	Metoprolol	25.00
171	≥40%	Metoprolol	50.00	Metoprolol	25.00
178	≥40%	Metoprolol	50.00	Metoprolol	25.00
180	≥40%	Metoprolol	50.00	Metoprolol	50.00
206	≥40%	Metoprolol	50.00	Metoprolol	25.00
209	≥40%	Metoprolol	50.00	Metoprolol	50.00
210	≥40%	Metoprolol	50.00	Metoprolol	50.00
211	≥40%	Metoprolol	50.00	Metoprolol	50.00
242	≥40%	Metoprolol	50.00	Metoprolol	50.00
244	≥40%	Metoprolol	50.00	Metoprolol	50.00
248	≥40%	Metoprolol	50.00	Metoprolol	25.00

261	≥40%	Metoprolol	50.00		
38	≥40%	Metoprolol	75.00		
129	≥40%	Metoprolol	75.00	Metoprolol	25.00
152	≥40%	Metoprolol	75.00	Metoprolol	75.00
170	≥40%	Metoprolol	75.00	Metoprolol	50.00
179	≥40%	Metoprolol	75.00	Metoprolol	75.00
188	≥40%	Metoprolol	75.00	Metoprolol	50.00
195	≥40%	Metoprolol	75.00	Metoprolol	50.00
218	≥40%	Metoprolol	75.00	Metoprolol	75.00
236	≥40%	Metoprolol	75.00	Metoprolol	75.00
85	≥40%	Metoprolol	100.00	Carvedilol	50.00
173	≥40%	Metoprolol	100.00	Metoprolol	50.00
174	≥40%	Metoprolol	100.00	Metoprolol	50.00
189	≥40%	Metoprolol	200.00	Metoprolol	200.00
102	≥40%	Nebivolol	1.25	Metoprolol	25.00
26	≥40%	Nebivolol	5.00		
162	≥40%	Nebivolol	5.00	Nebivolol	5.00
192	≥40%	Nebivolol	7.50	Nebivolol	7.50
193	≥40%	Nebivolol	7.50	Nebivolol	5.00
201	≥40%	Propranolol	80.00	Propranolol	40.00
8	≥40%			Metoprolol	25.00
12	≥40%			Bisoprolol	2.50
18	≥40%			Bisoprolol	5.00
20	≥40%				
25	≥40%				
28	≥40%			Metoprolol	25.00
29	≥40%				
48	≥40%			Metoprolol	50.00
52	≥40%				
56	≥40%			Carvedilol	12.50
63	≥40%			Metoprolol	50.00
65	≥40%			Metoprolol	12.50
68	≥40%			Metoprolol	25.00
69	≥40%				
73	≥40%				
83	≥40%			Metoprolol	25.00
87	≥40%			Metoprolol	25.00
93	≥40%				
97	≥40%				
98	≥40%				
103	≥40%			Metoprolol	100.00
105	≥40%			Metoprolol	25.00
107	≥40%			Metoprolol	25.00
109	≥40%			Metoprolol	25.00
110	≥40%			Metoprolol	50.00
111	≥40%				
113	≥40%				
117	≥40%			Metoprolol	50.00
119	≥40%			Metoprolol	25.00

<b>165</b>	≥40%			Metoprolol	25.00
<b>175</b>	≥40%				
<b>181</b>	≥40%				
<b>200</b>	≥40%			Metoprolol	25.00
<b>219</b>	≥40%				
<b>228</b>	≥40%				
<b>240</b>	≥40%			Metoprolol	25.00