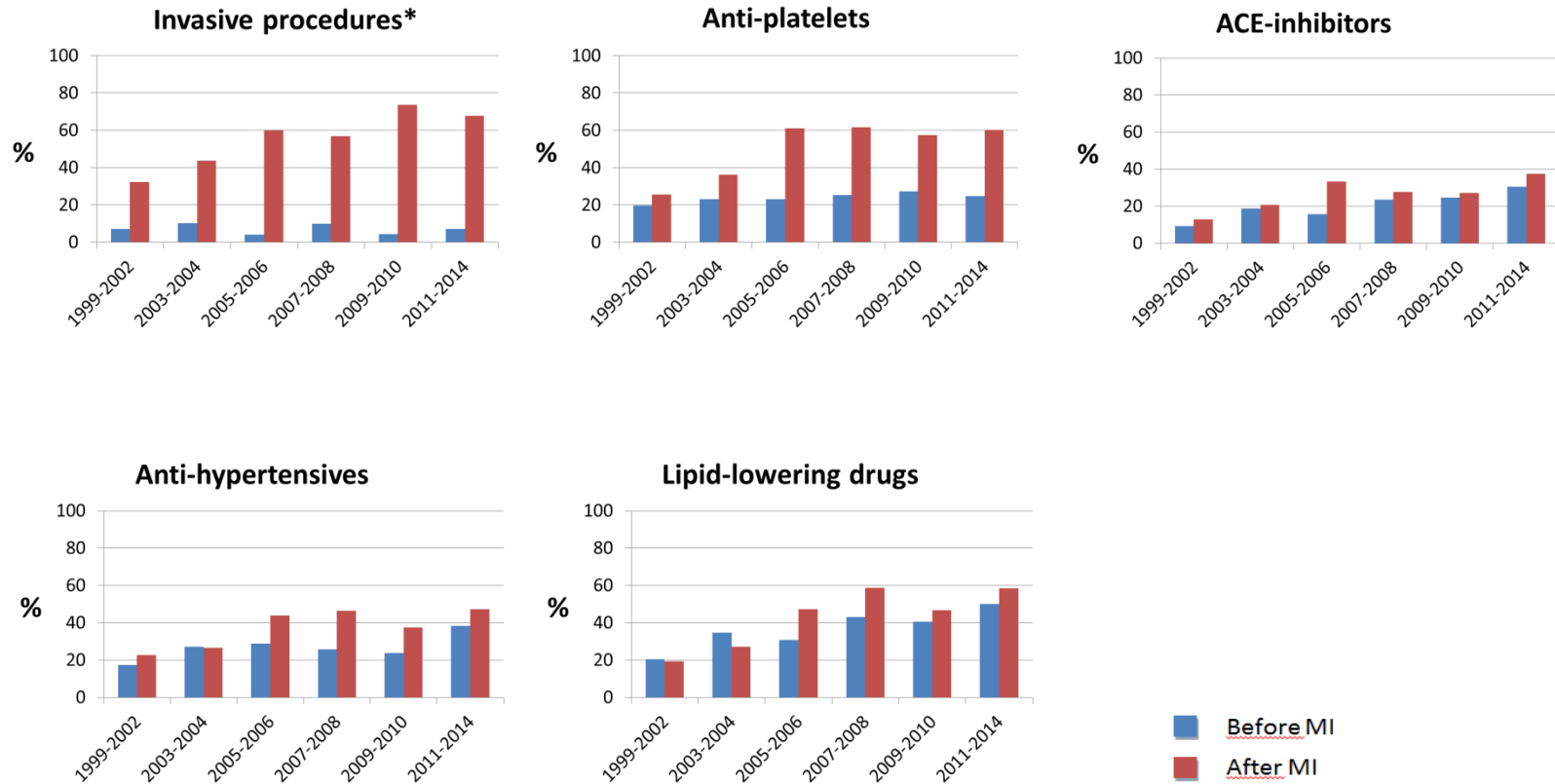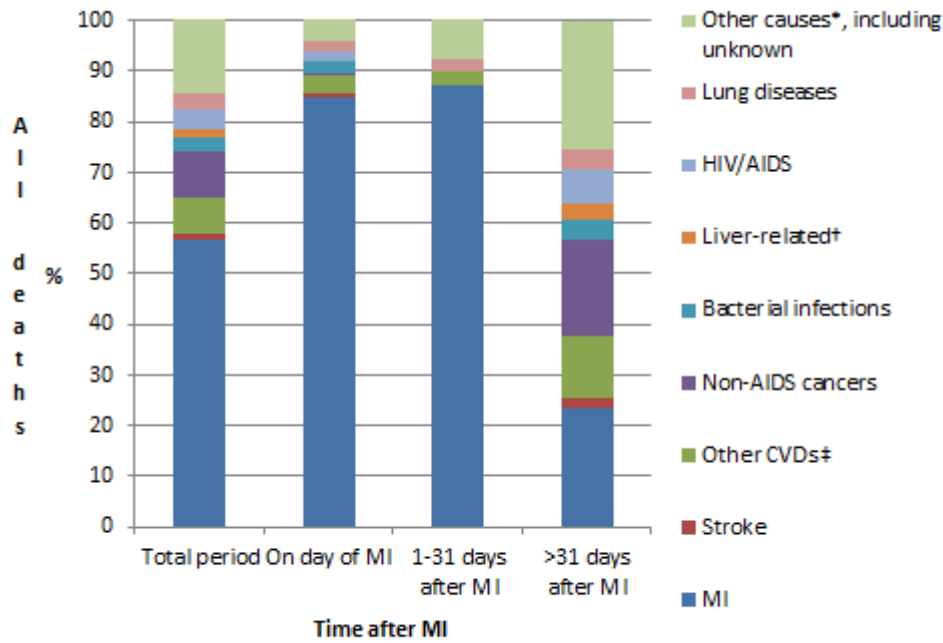**Figure 1**

Figure 2

a)

b)