

Comparison of the blood pressure values registered in hypertensive patients, according to their way of measurement, in a general practice surgery

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Objective

To determine the differences of the blood pressure (BP) values according to the place of measurement and the way of registering it in hypertensive patients with poor BP control.

Methodology

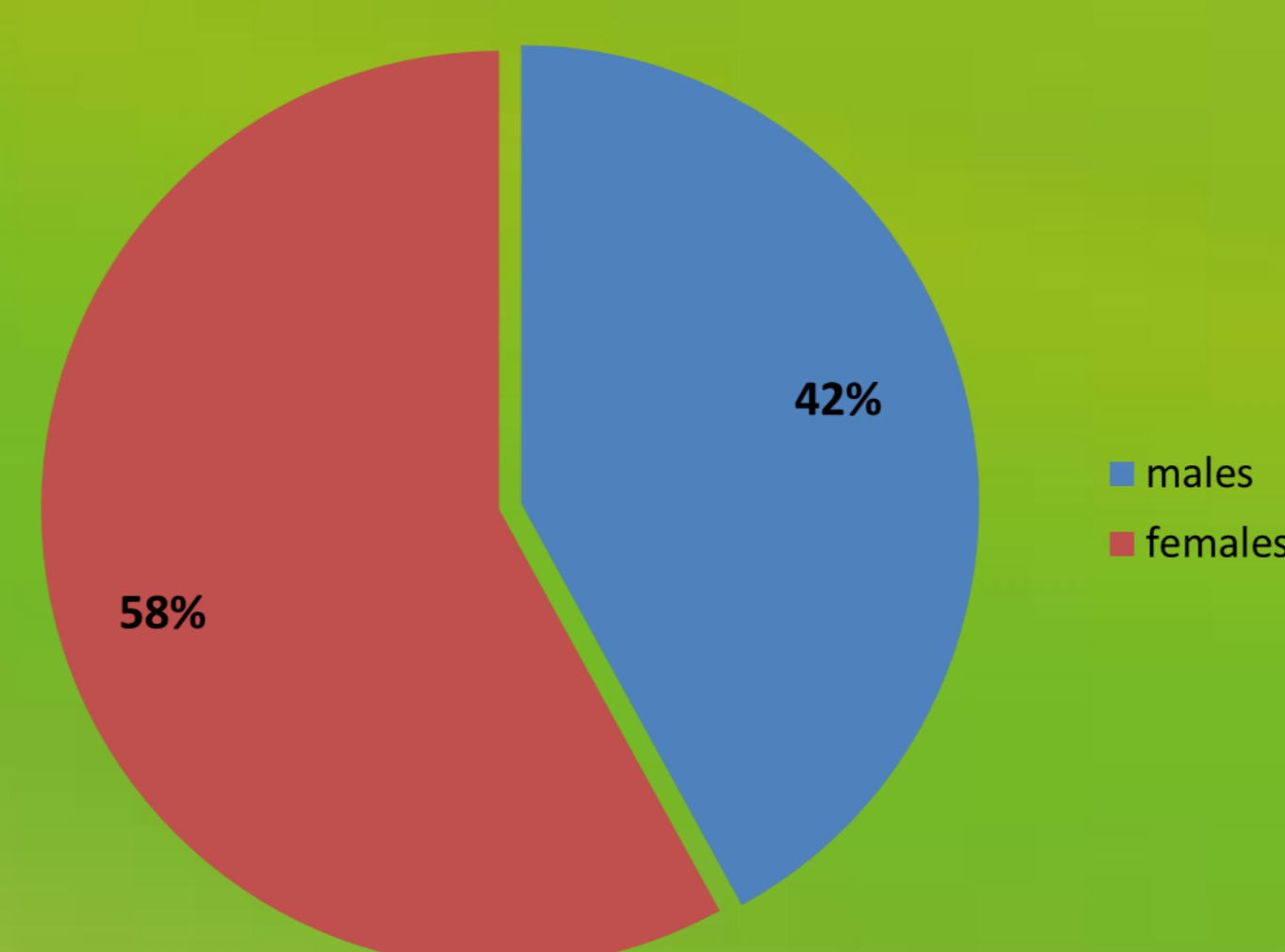
N = 43 hypertensive patients with poor BP control (>140/90 mmHg), according to the mean value of three measurements in the last six months determined in the health care centre (HCC6) as well as at home (H6)

Three measurements in the HCC (HCC1) in all of our patients before proceeding to 24 hour-ambulatory blood pressure monitoring (ABPM)

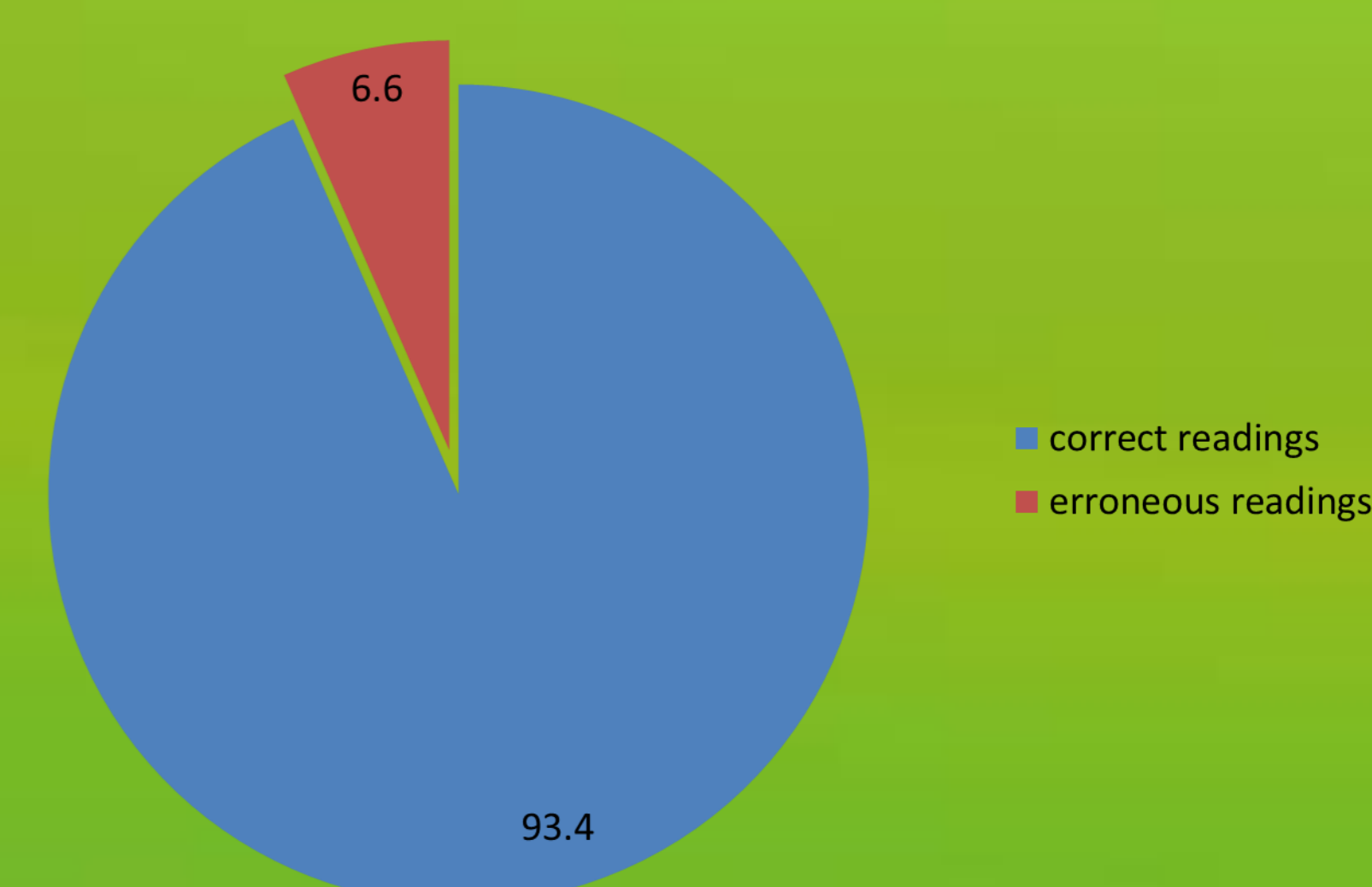
Results

Mean age: 68.6 years (SD 11.7)

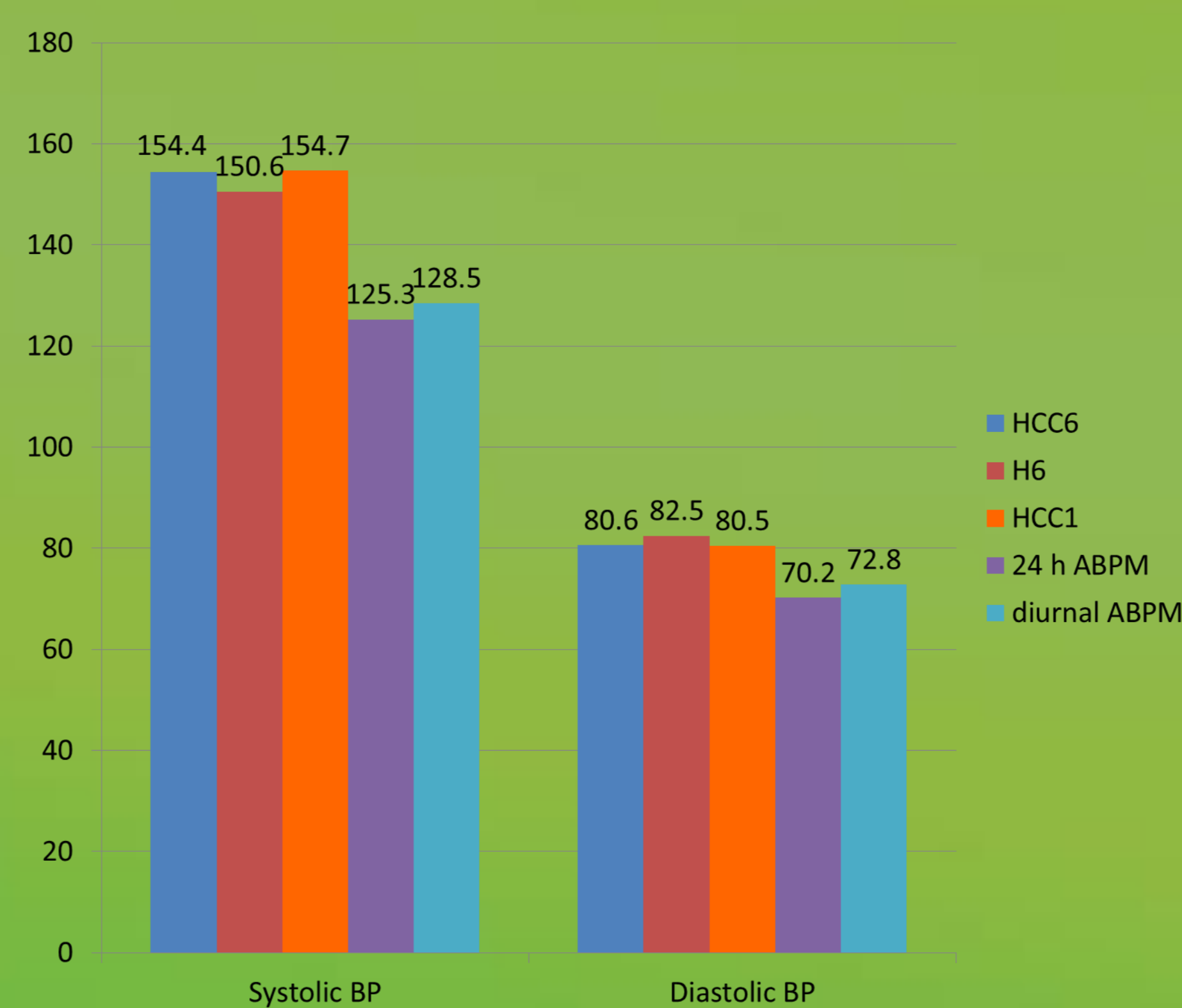
Distribution by gender



Percentage of correct readings



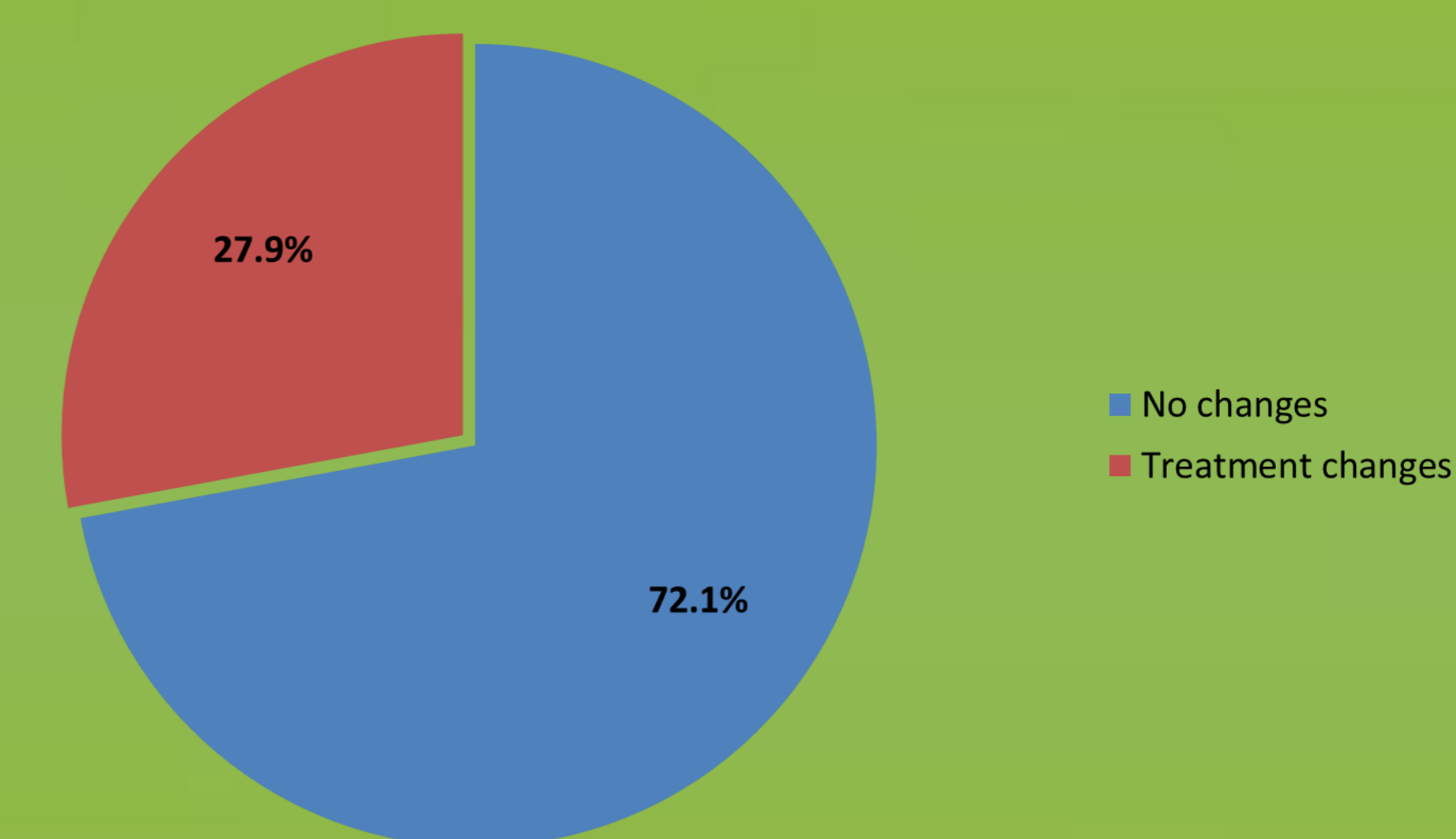
Systolic (SBP) and diastolic (DBP) blood pressure values according to their way of measurement



There were no differences between the BP measured in the HCC (HCC6, HCC1) and at home (H6).

The differences regarding both SBP and DBP between BP values prior to ABPM and 24 hour ABPM and diurnal ABPM were significant in all cases $p=0.000$

Treatment management after ABPM



Conclusions:

In the assessed hypertensive patients there were no differences of the BP values registered in the HCC and at home, maybe because of the low number of cases.

After ABPM we maintained the same antihypertensive treatment in 72% of the supposedly poor controlled patients.



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HCC website:
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