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## OBJECTIVE

- The aim of this study was to estimate the average annual cost per patient with a new diagnosis or new episode of PERIPHERAL ARTERIAL DISEASE (PAD).

- A retrospective observational study of the electronic medical records of patients from the BIG-PAC® database (patients from 7 integrated areas of 7 Spanish Regions; n=1.8 million) was carried out.
- Patients with a new/recurrent PAD episode between 1/1/2017 and 12/31/2018 were included.
- Direct healthcare costs (DHCC) were calculated from the consumption of resources during follow-up (two years from diagnosis) and the mean of the Regions official published tariff.
- The indirect non-health costs (INHCC) associated with the loss of productivity were determined.
- All costs were updated to €2021.

- The following tables show: the demographic features and follow-up events (table 1); the resource consumption - hospital admissions and visits (figures 1 & 2) and diagnostic tests (figures 3 & 4); the direct healthcare costs (table 2) and non-healthcare costs (table 3); and a cost summary (table 4).

**Figure 2: Resource consumption: Visits (average per patient)**

A bar chart comparing the percentage of patients with a primary care referral for Year 1 (blue bars) and Year 2 (red bars) across four categories: Primary Care, Consultant, Emergency ward, and Hospital admission. The Y-axis represents the percentage from 0 to 100. The X-axis lists the categories. The legend indicates Year 1 is blue and Year 2 is red.

| Referral Category  | Year 1 (%) | Year 2 (%) |
|--------------------|------------|------------|
| Primary Care       | 100        | 100        |
| Consultant         | 81         | 87         |
| Emergency ward     | 70         | 65         |
| Hospital admission | 14         | 12         |

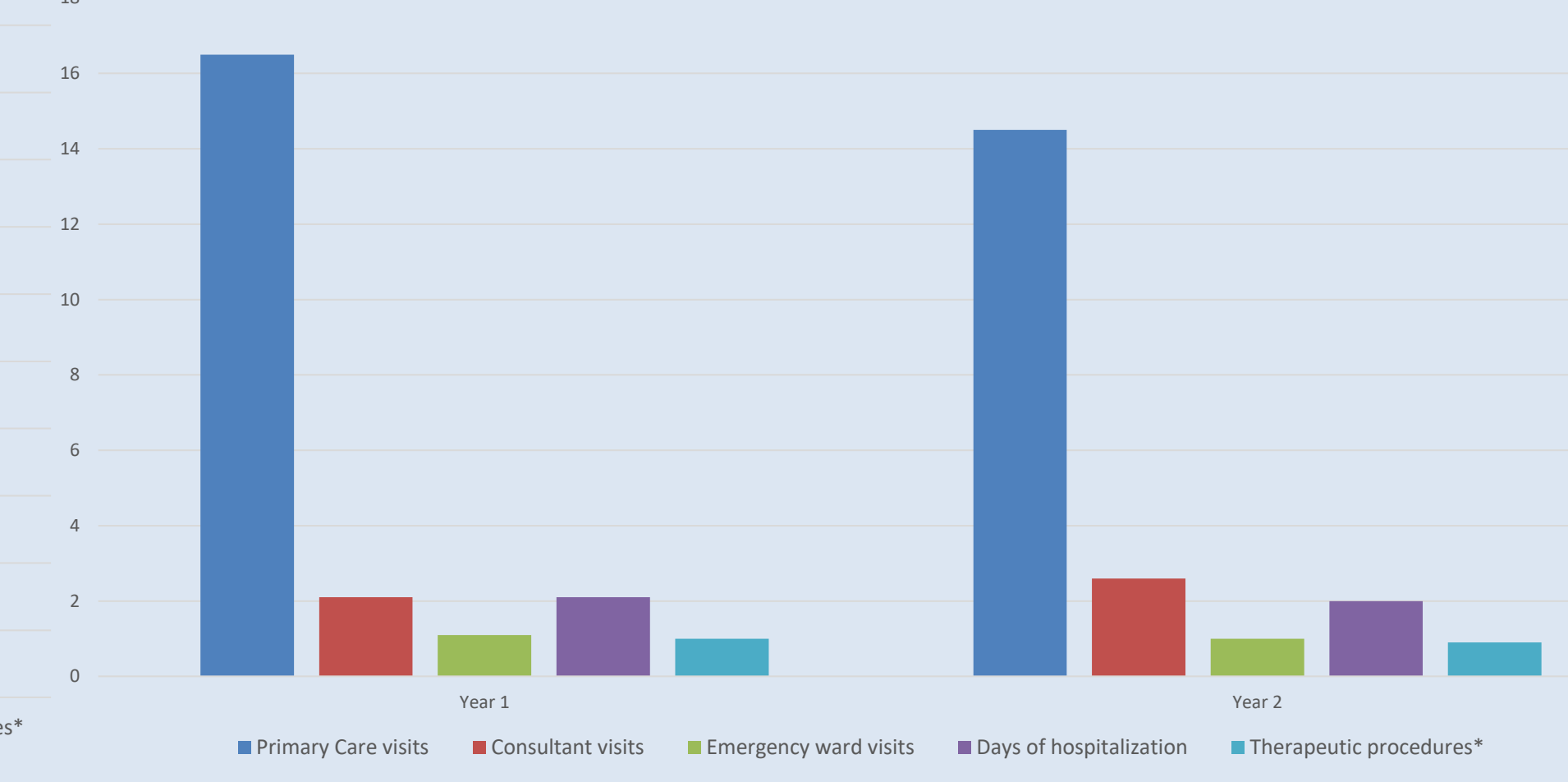
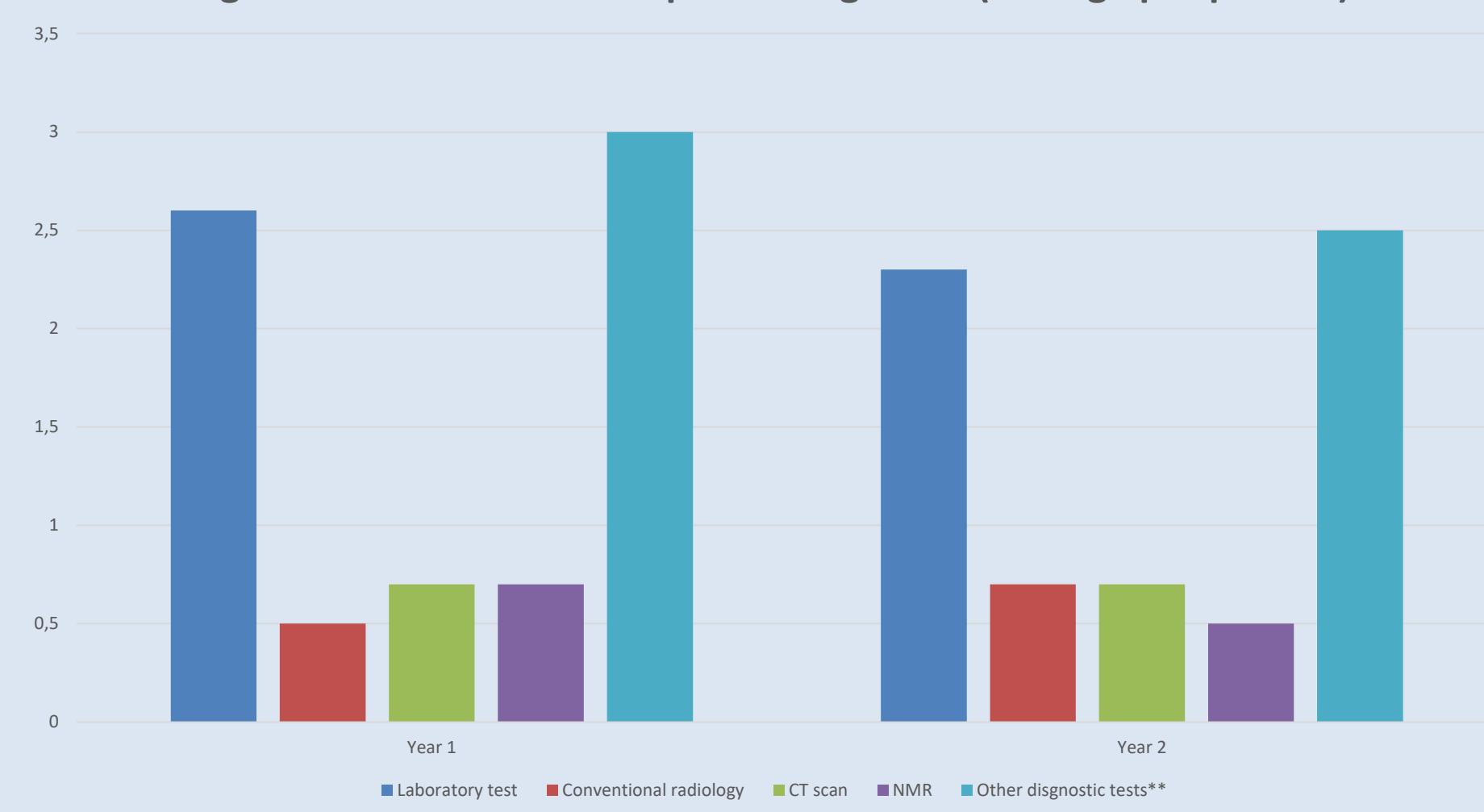
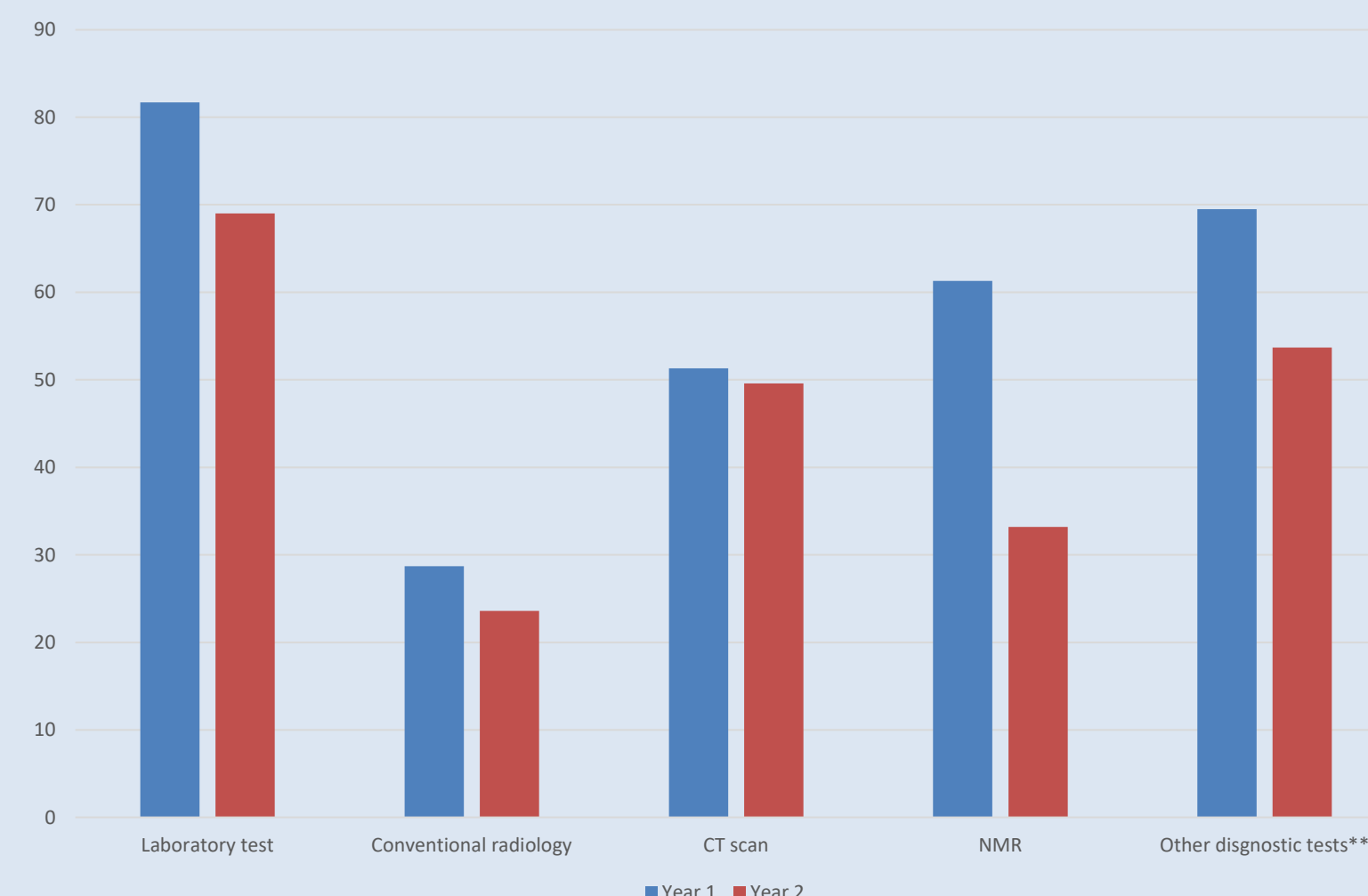


Figure 4: Resource consumption: Diagnostic (average per patient)



|                          | Year 1  | Year 2  |
|--------------------------|---------|---------|
| Average cost per patient | 9,082 € | 8,098 € |
| Main drivers of cost     |         |         |
| Therapeutic procedures   | 4,339 € | 4,123 € |
| Hospitalizations         | 1,297 € | 1,226 € |
| Medication               | 1,207 € | 1,076 € |

|                           | Year 1  | Year 2  |
|---------------------------|---------|---------|
| Sick leave ***            | 1,341 € | 1,236 € |
| Permanent disability **** | 561€    | 572 €   |
| Premature deaths *****    | 761 €   | 607 €   |
| Non-healthcare costs      | 2,663 € | 2,415 € |

|                                 | Year 1          | Year 2          |
|---------------------------------|-----------------|-----------------|
| Direct Healthcare cost          | 9,082 €         | 8,098 €         |
| Non-Healthcare cost             | 2,663 €         | 2,415 €         |
| <b>Average cost per patient</b> | <b>11,745 €</b> | <b>10,513 €</b> |

- ## CONCLUSION

## REFERENCES

- ACKNOWLEDGEMENT** This Study was financially supported by Novartis

## ECONOMIC EVALUATION CARDIOVASCULAR DISORDERS

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