

# Are Confidence Levels of Hospital Pharmacists Different from Other Pharmacists in the Management of Anticoagulation Therapy? Preliminary Results from a Multinational Pharmacists Needs Assessment Survey.



CP-239. B01-Antithrombotic agents

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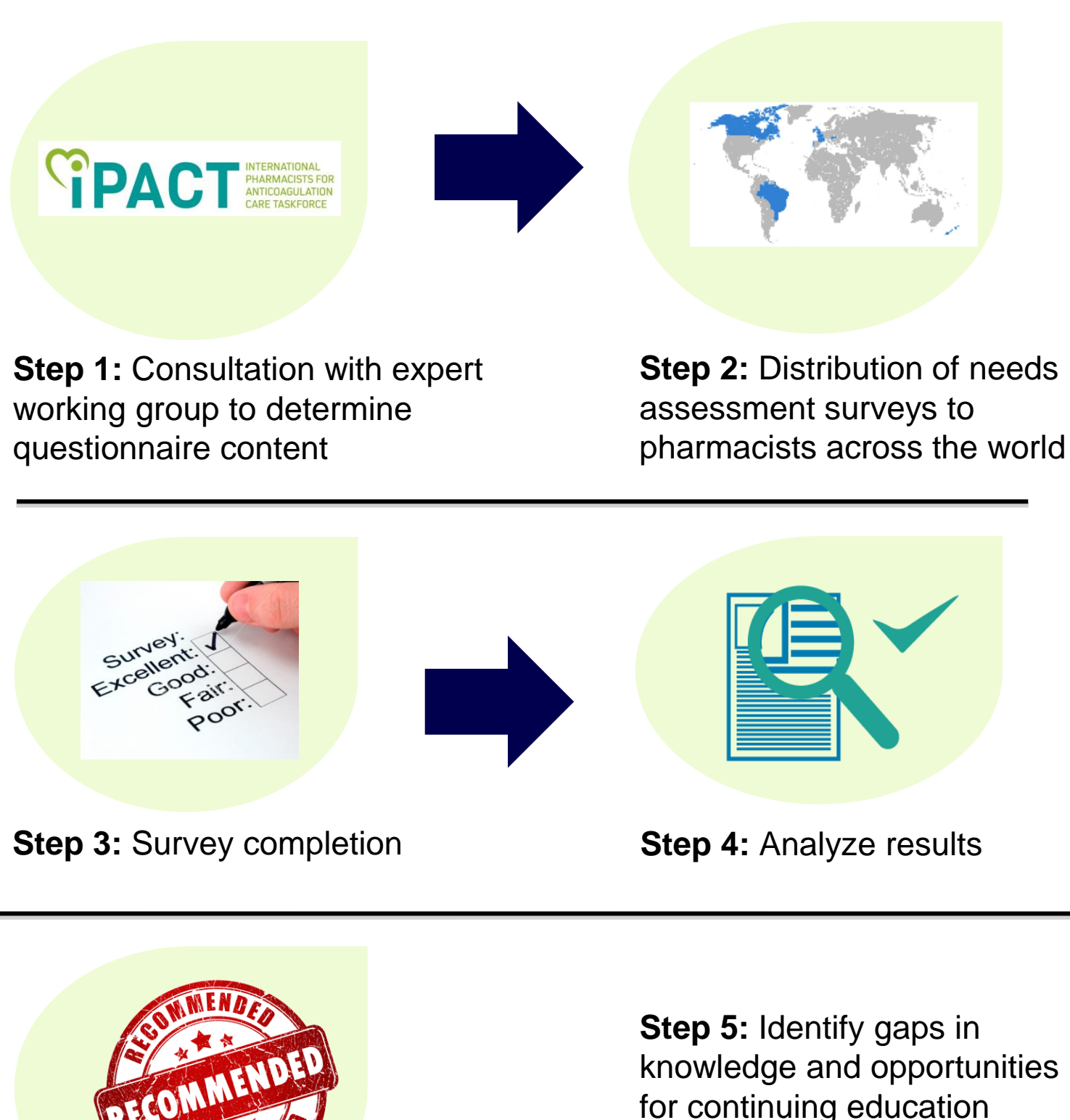
## 1. Introduction

The International Pharmacists for Anticoagulation Care Taskforce (iPACT) is an expert group committed to enhancing the key role that pharmacists play in anticoagulation management. Pharmacists are ideally suited to monitor patients in this therapeutic area; however, an assessment of their knowledge in providing consultations has not been formally evaluated.

## 2. Aim

The objective of this needs assessment survey was to identify self-reported gaps in competencies, variations in confidence between community and hospital pharmacists, and to examine the areas of anticoagulation with varying needs.

## 3. Methods



## 4. Data - Demographics

Figure 1 - Distribution of Respondents by Country of Practice  
Total Number of Respondents: 1692

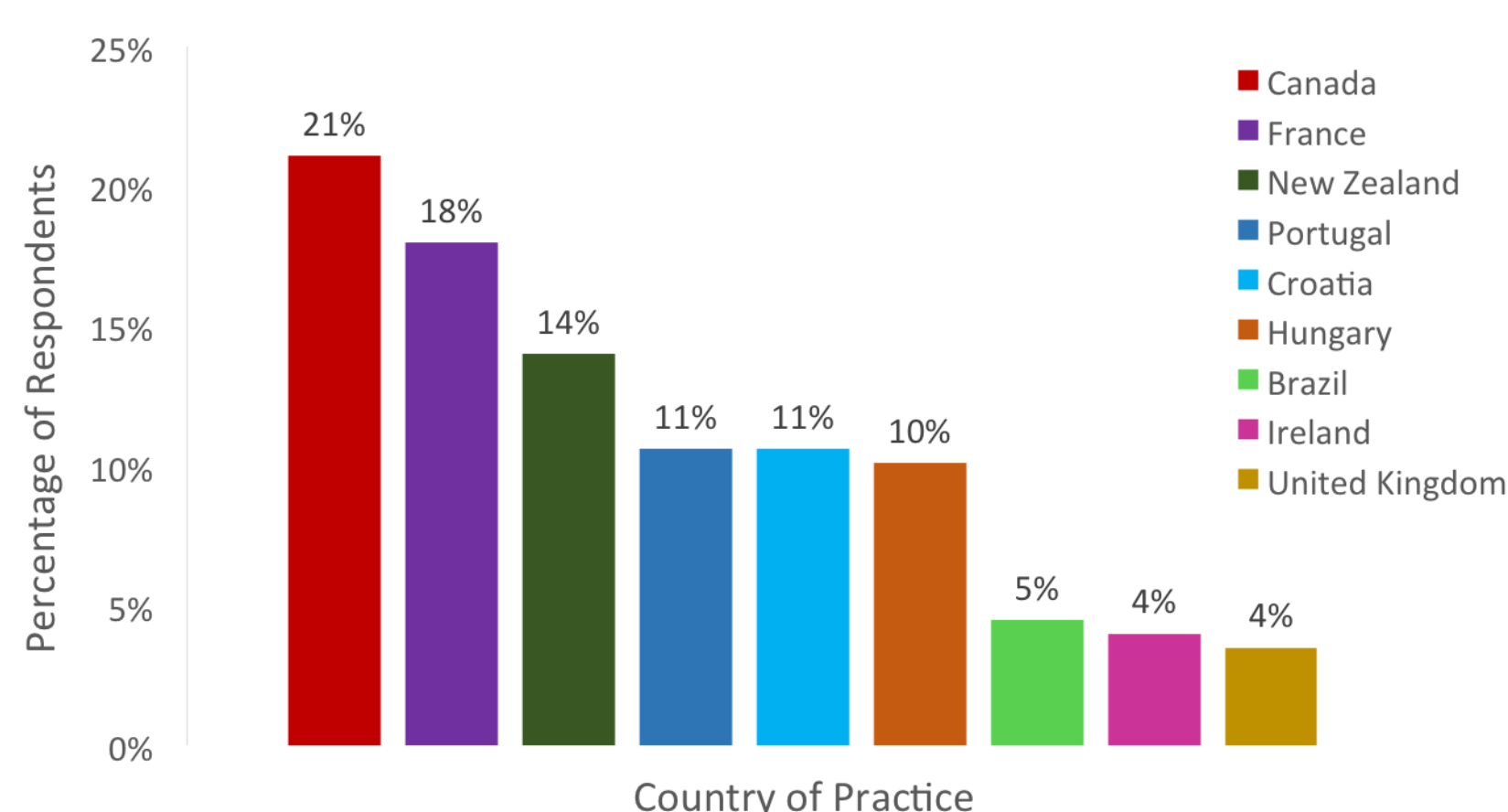
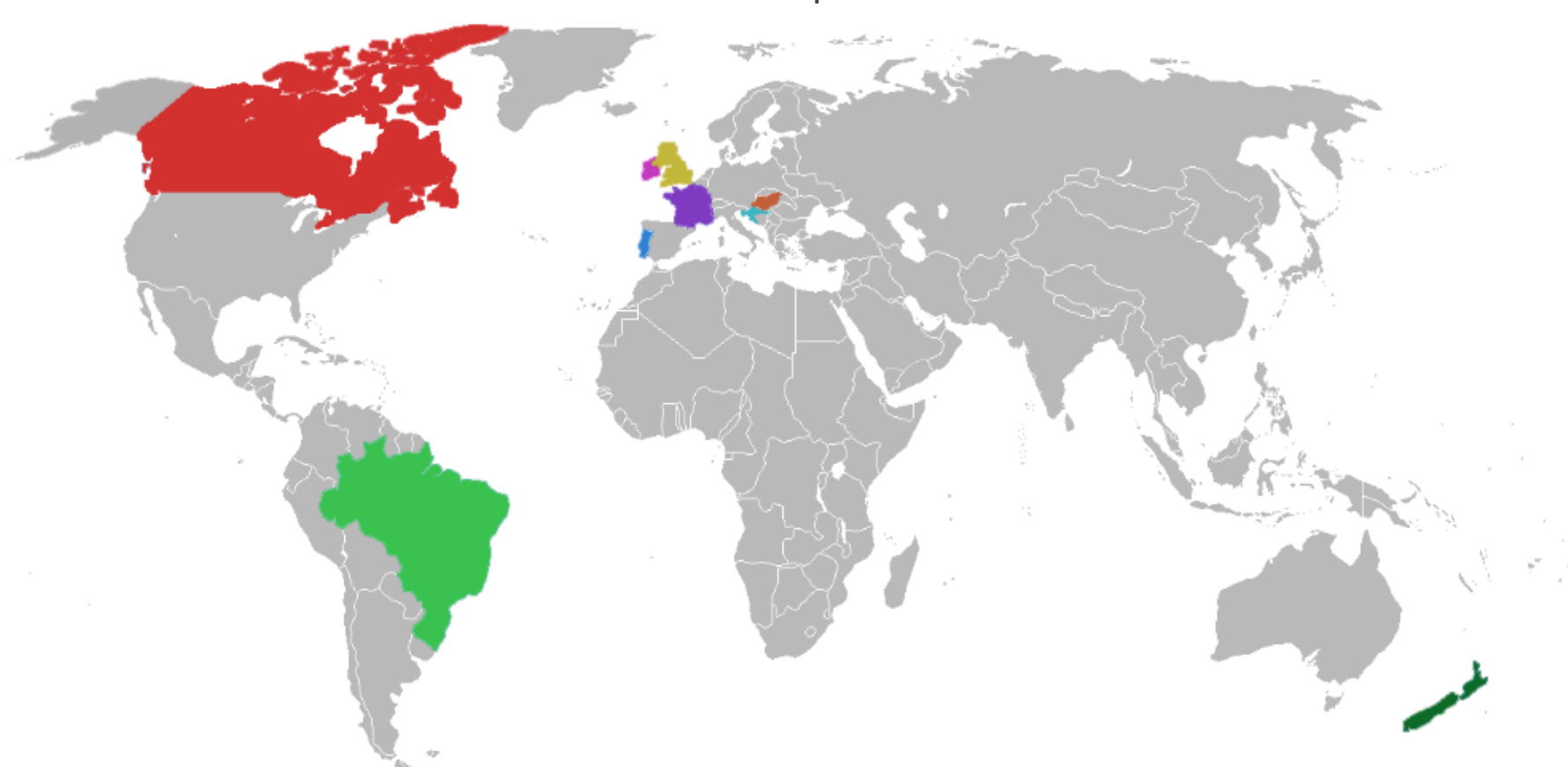
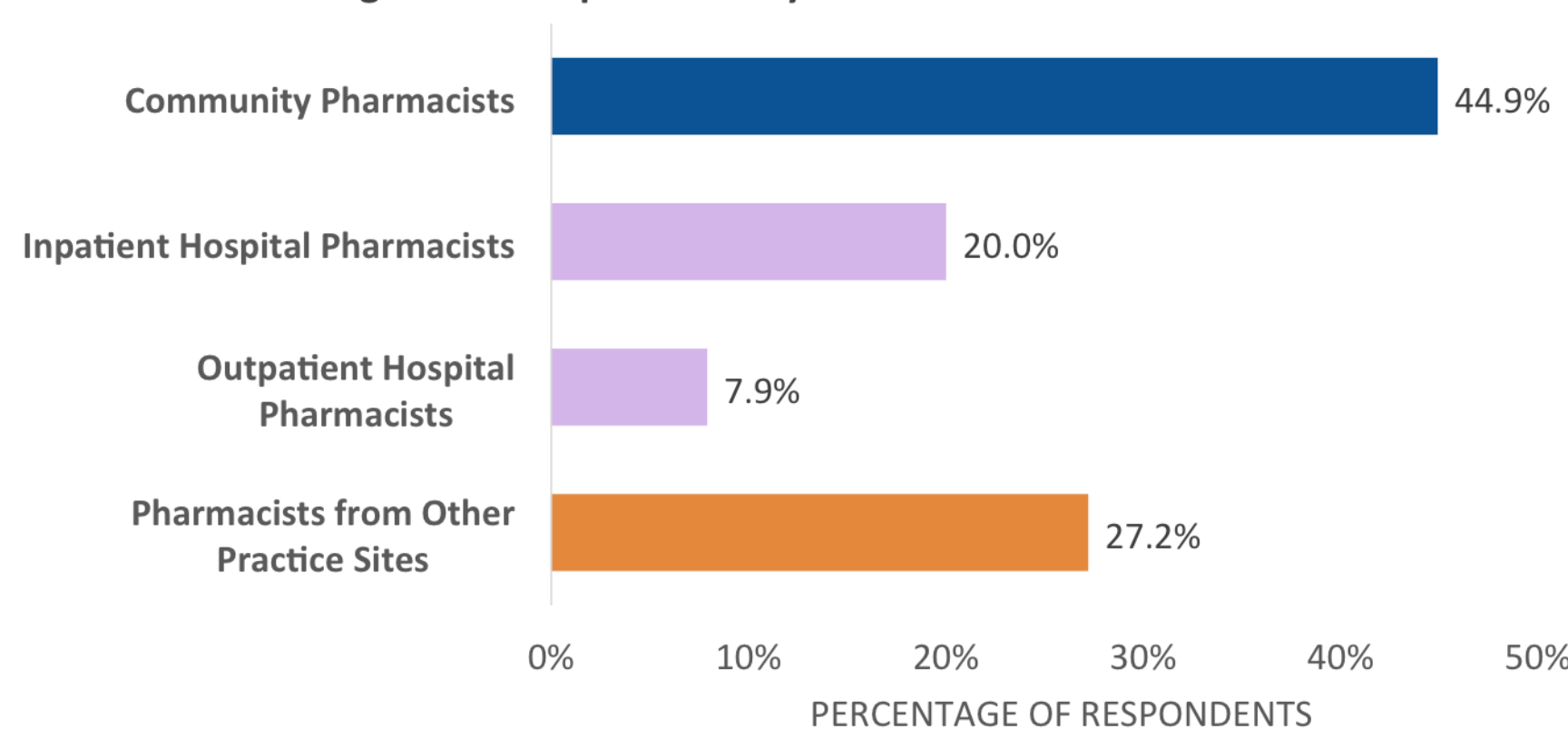


Figure 2 – Respondents by Practice Site



## 5. Results – Survey Responses

Figure 3 - Confidence Levels of Pharmacists on VKA versus DOAC Education

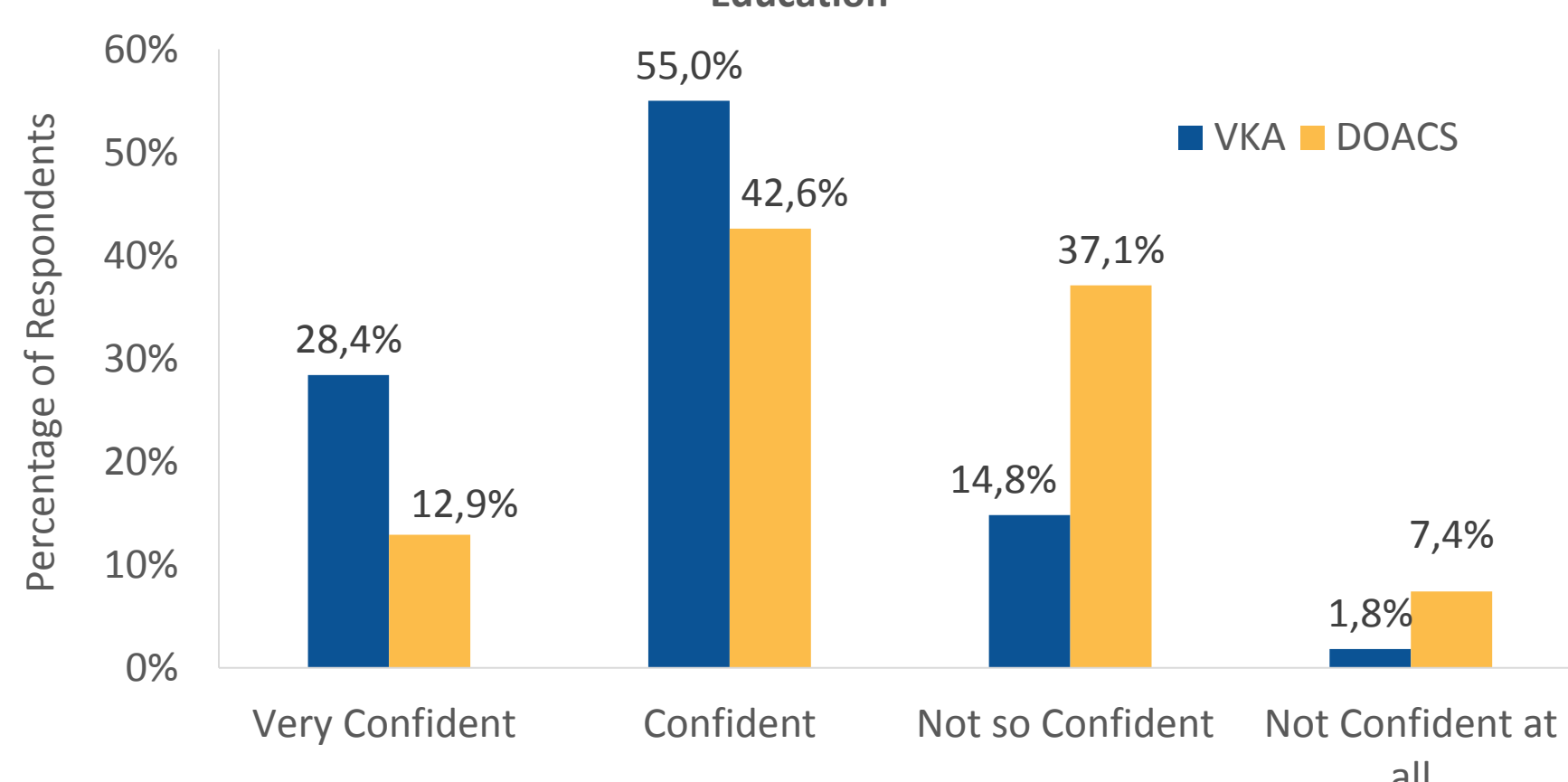


Figure 4 - Confidence Levels of Inpatient Hospital Pharmacists versus Pharmacists in Other Practice Sites on VKA and DOAC Education

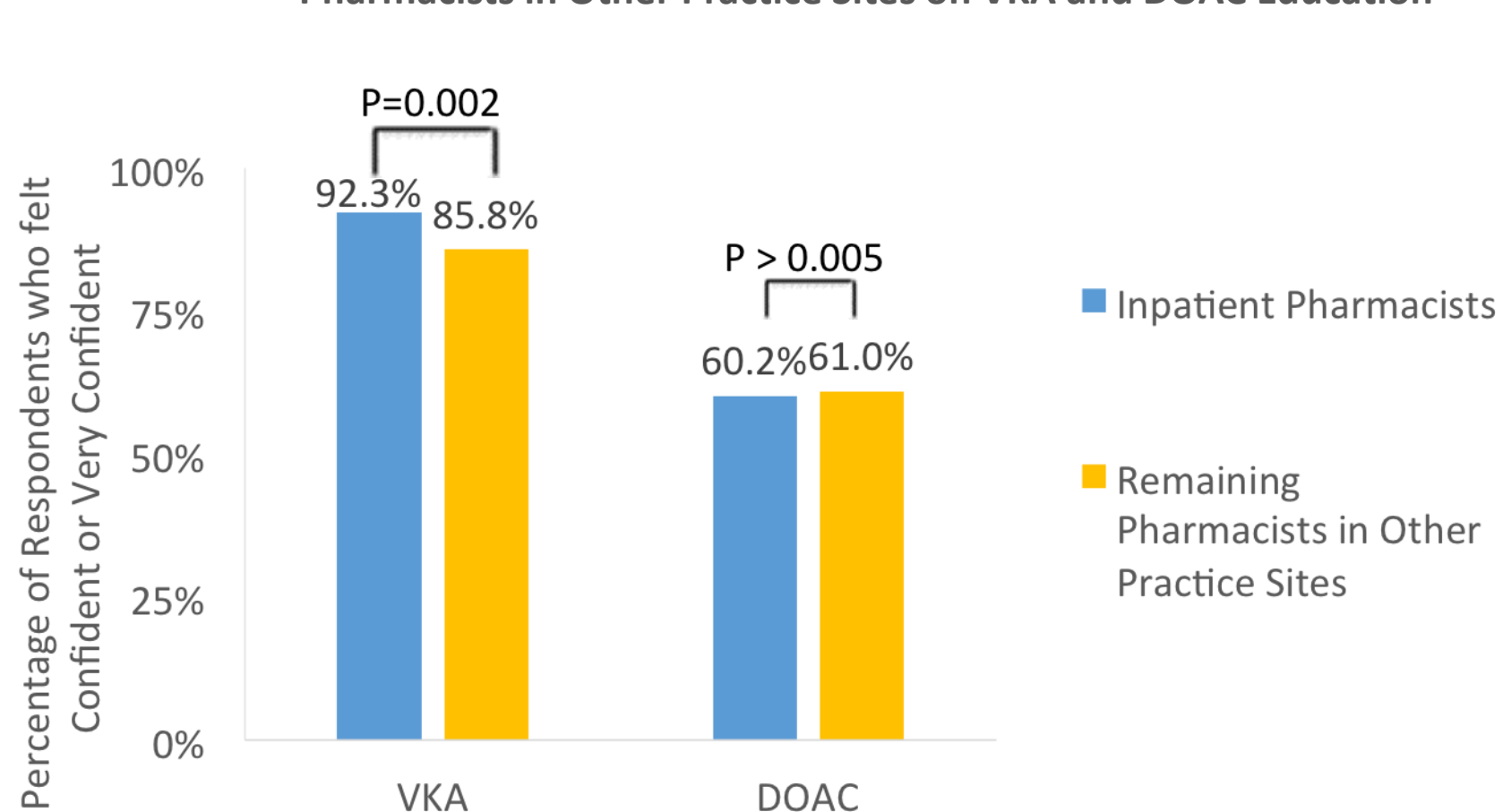
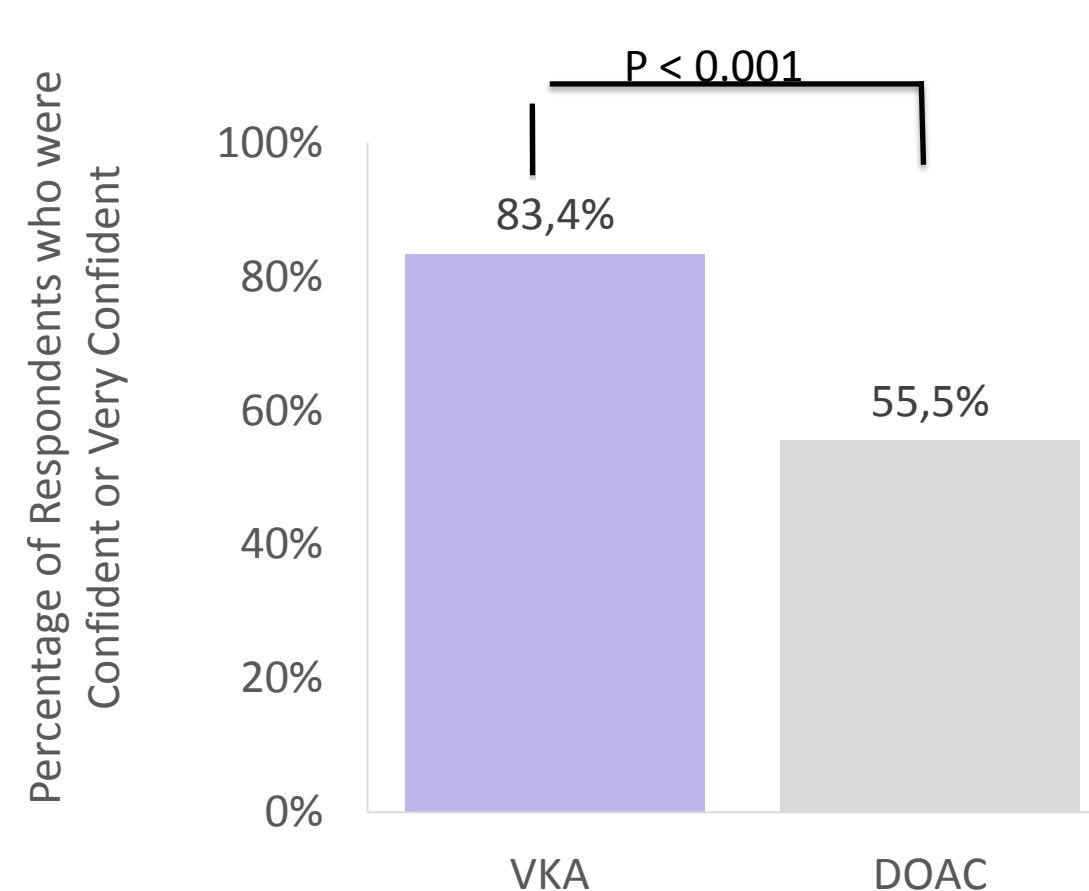


Table 1 – Mean Score Confidence Levels in Inpatient Hospital Pharmacists versus Pharmacists in Other Practice Sites on Anticoagulant Education

Mean Score Confidence Levels			
Inpatient Hospital Pharmacists	Pharmacists in Remaining Practice Sites	Outpatient Hospital Pharmacists	Pharmacists in Remaining Practice Sites
24.04	26.04	25.78	25.48
P-value		P-value	
<0.001		>0.005	

Figure 5 - Overall Confidence of Pharmacists on VKA versus DOAC Education



## 6. Conclusions

- Overall, pharmacists were less confident in providing info on DOACs compared with VKA (83.4% versus 55.5%; p<0.0001)
- Compared to all other pharmacists, hospital pharmacists felt more confident when advising patients about VKA (92.3% of ward pharmacists felt confident or very confident, compared to only 85.8% among other pharmacists; p=0.002).
- There were no differences found in their confidence levels when advising on DOACs (only 60.2%, compared to 61.0%, felt confident or very confident; p>0.005)
- These results highlight the apparent lack of confidence by both community and hospital pharmacists when discussing anticoagulation, particularly DOACs.
- Future continuing education programs should be developed using electronic platforms, with a focus on clinical themes that apply across all practice settings.

## 7. Contact Details

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