

A Study of the Predictors of Publication among Hospital Pharmacists in France and Quebec

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INTRODUCTION

Publishing

- Final issue of any research project
- Critical to advancing in any field

Objectives

- To describe publication by hospital pharmacists in France and in Quebec
- To assess predictors of publishing

MATERIALS & METHODS

Survey

- 58 items questionnaire
- Published on SurveyMonkey website

Respondents:

- Hospital pharmacists (interns, residents and students excluded)
- Reached by:
 - Publication list (ADIPH in France)
 - Personal e-mail (CNHIM directory in France, Lotus Notes® software in Quebec)

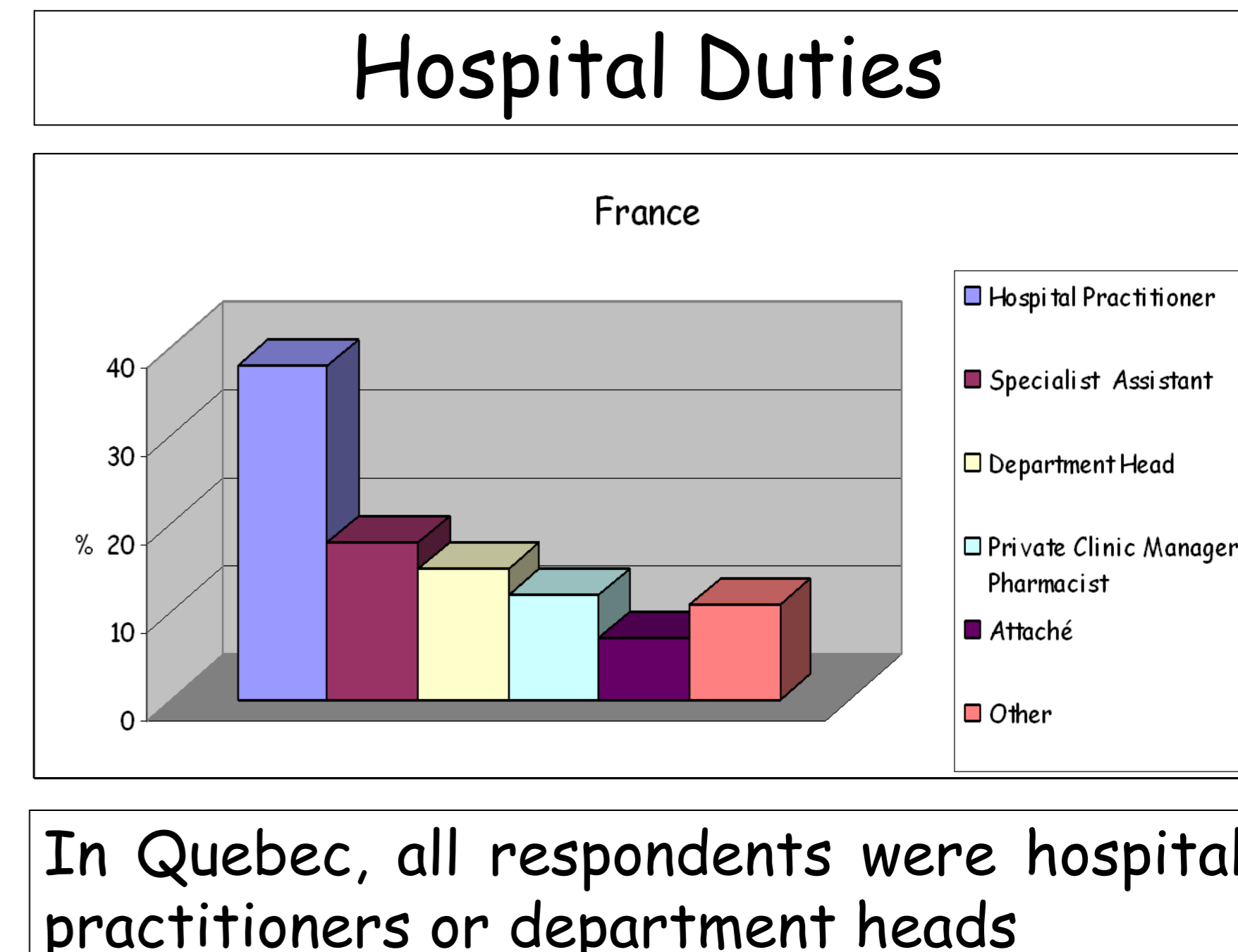
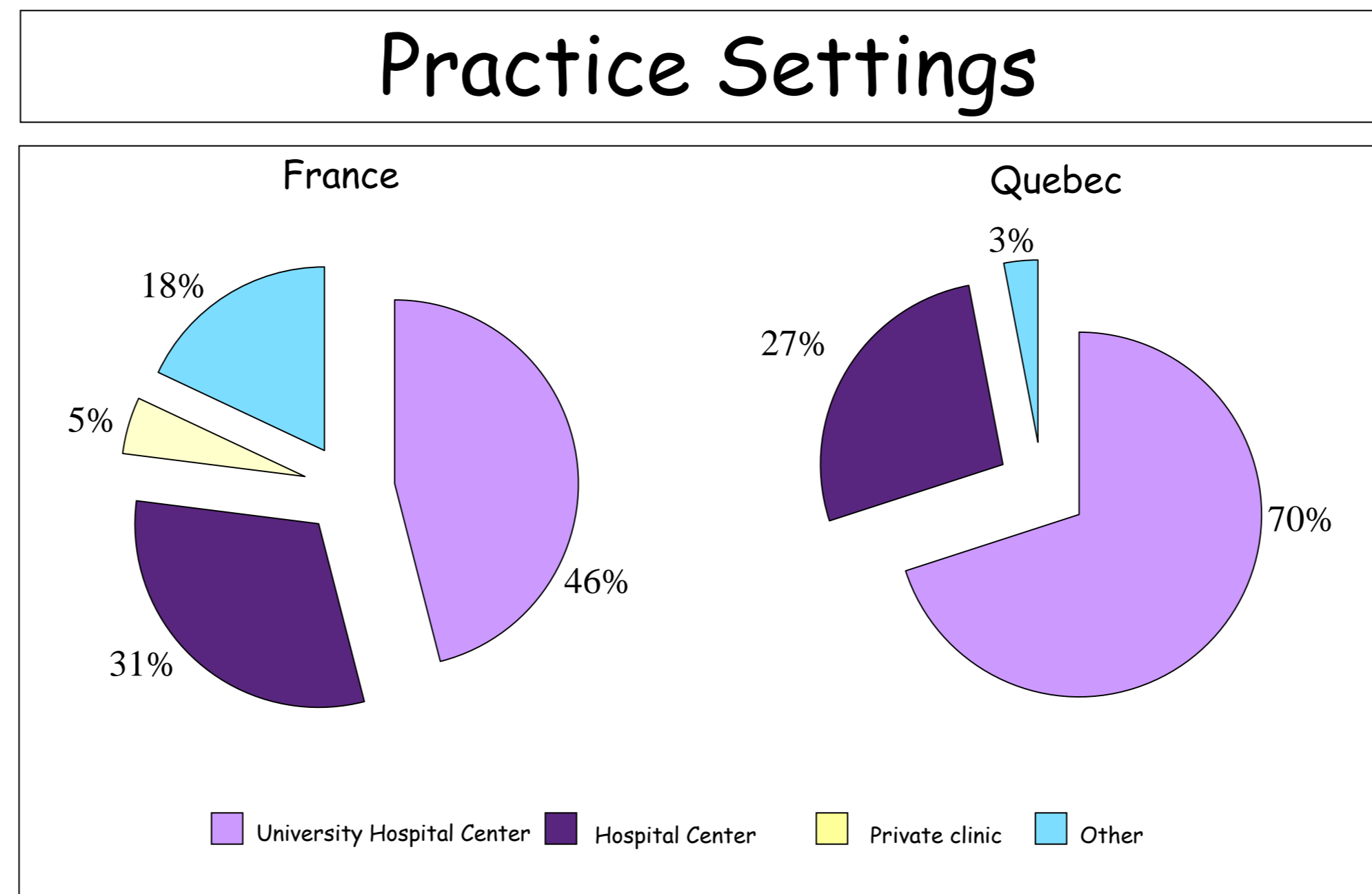
Data Analysis

- France/Quebec comparison
 - Respondents' personal and professional characteristics
 - Respondents' research and publishing activities
 - Respondents' perception and motivation surrounding publishing
- Ordinal logistic regression
 - Publications in Medline indexed journals
 - 12 explanatory factors introduced

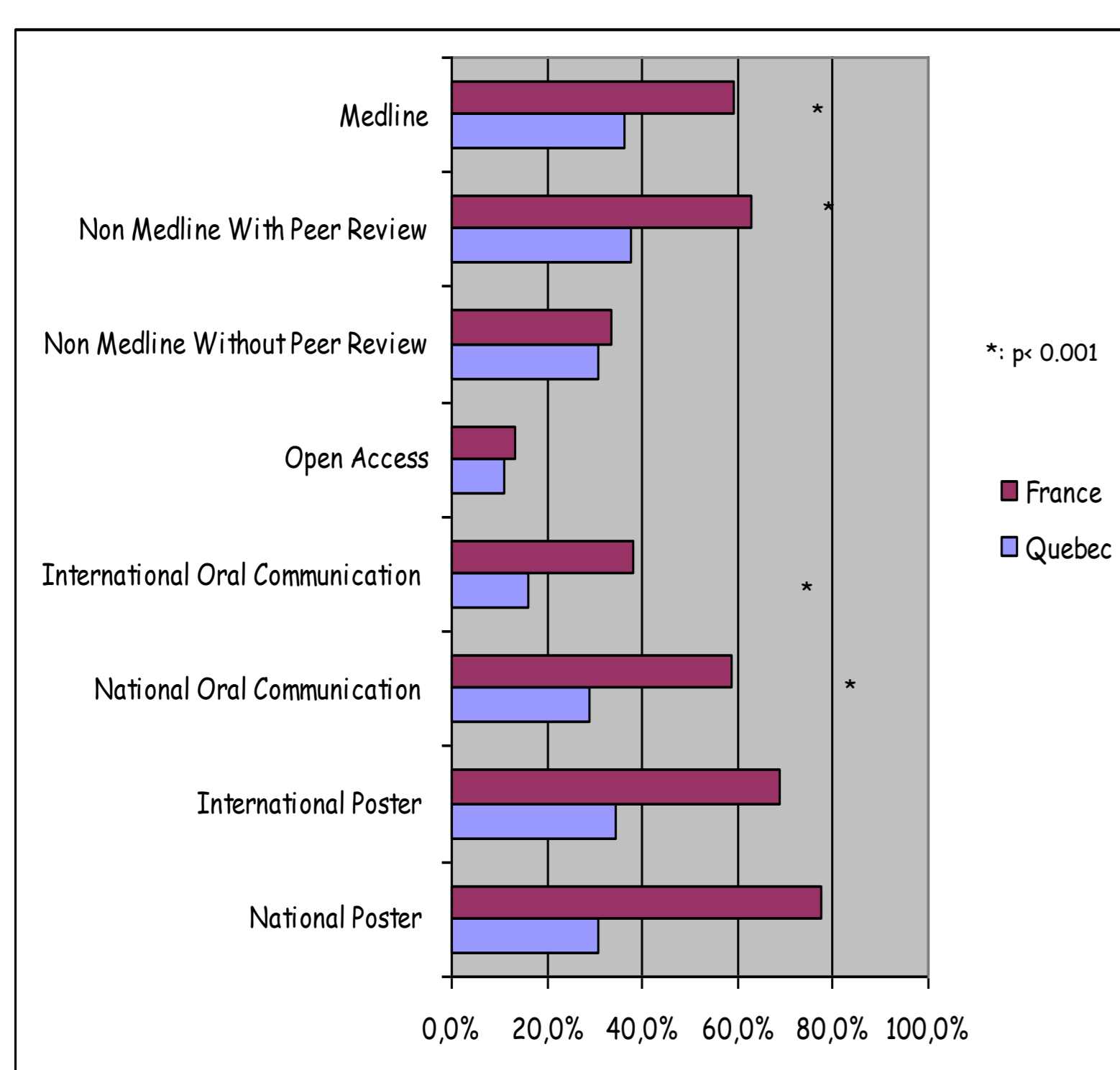
RESULTS

422 hospital pharmacists were recruited.

| | France | Quebec |
|--------------------------------|--------|--------|
| Respondents (N) | 218 | 204 |
| Usable Questionnaires (N) | 152 | 172 |
| Hospital Pharmacists Ratio (%) | 3 | 13 |



Respondents' publications



Respondents' perception and motivations surrounding publishing

| Variables | France | Quebec | P Value |
|---|--|--------|---------|
| | % of respondents who agreed with the statement | | |
| Publishing is governed by competition among teams | 54 | 31 | 0.001 |
| Publishing is governed through tenure | 69 | 40 | 0.001 |
| Publishing is governed by scientific progress | 73 | 90 | 0.001 |
| Allows me to improve my knowledge in a field or to innovate | 92 | 94 | 0.666 |
| Provides me with a challenge | 87 | 93 | 0.091 |
| Gives me the opportunity of putting my personal skills and abilities to use | 85 | 91 | 0.083 |
| Allows me to be creative | 75 | 79 | 0.356 |
| Allows me to meet an academic/university objective | 63 | 69 | 0.346 |
| Provides me with the opportunity of exercising leadership | 26 | 68 | <0.001 |
| Allows me to go about my activities freely and without supervision | 19 | 40 | <0.001 |
| Publishing allows me to earn money or access funding | 17 | 28 | 0.017 |

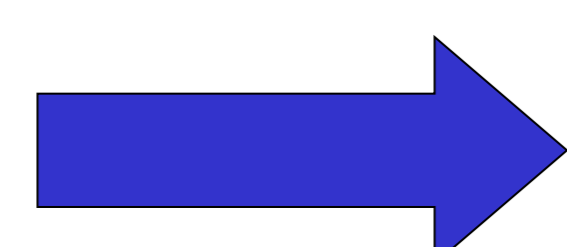
Multivariate analysis of predictors of publishing

| Predictors of publishing | | | Non predictors of publishing | | |
|--|-------|---------|--|------|---------|
| | OR | P Value | | OR | P Value |
| Positive predictors of publishing | | | Non predictors of publishing | | |
| Working in France versus Quebec | 3,52 | <0,001 | Non-Single | 1,26 | 0,5 |
| Male versus Female | 1,88 | 0,027 | Number of Children | | |
| Having Academic Duties versus not | 2,14 | 0,027 | No child versus 4 children | 0,74 | 0,72 |
| Having a PhD versus not | 3,92 | 0,005 | 1 child versus 4 children | 0,79 | 0,79 |
| Having Participated in a Clinical Trial versus not | 2,33 | 0,003 | 2 children versus 4 children | 1,05 | 0,95 |
| Having Obtained Funding in One's Own Name versus not | 3,07 | 0,003 | 3 children versus 4 children | 0,9 | 0,91 |
| Negative predictors of publishing | | | Working in a UHC | 1,39 | 0,23 |
| Less than 35 hours versus more than 50 hours | 0,018 | 0,004 | Supervising Students | 1,5 | 0,24 |
| 35 to 50 hours versus more than 50 hours | 0,03 | 0,003 | Number of Years Worked | | |
| | | | Less than 10 years versus more than 30 years | 0,47 | 0,29 |
| | | | 10 to 20 years versus more than 30 years | 0,59 | 0,46 |
| | | | 20 to 30 years versus more than 30 years | 0,49 | 0,35 |

DISCUSSION/CONCLUSION

More articles authored by French respondents than Quebecer ones

- Tenure tracking in France/ Shortage of practitioners in Quebec
- Healthcare reforms in France (fundings from publishing/Education, Research, Reference and Innovation Missions)



Hospital pharmacists are called on to contribute more than ever to publishing considering the unprecedented growth of their profession over the last few years