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Does Religion Influence the Motivations of Future Healthcare Professionals to Volunteer During the COVID-19 Pandemic in Poland? An Exploratory Study

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Abstract

This study was designed to determine the relation between religion and the motivations of future healthcare professionals to volunteer during the COVID-19 outbreak in Poland. Data were collected from 417 healthcare students via an online questionnaire. The results indicated that although students' religiosity was not a significant predictor of volunteering during the pandemic, it played a key role in determining their motivations to join the fight against COVID-19. There was a significant positive relationship between students' religiosity and their eagerness to commit for the sake of the community rather than for personal or egoistic motives.

Keywords COVID-19 pandemic · Religion · Volunteering · Future healthcare professionals

Introduction

Ever since sociology has been established as a scientific discipline, religion has been studied as a basic social institution, a central phenomenon of social life and an influential core for many cultures. Religiosity can also be an essential factor shaping physicians' attitude towards patients (Pawlikowski et al., 2012; Wenger & Carmel, 2004). Unsurprisingly, religion has been defined as an important predictor of volunteering, and it is now well documented that both religious beliefs and practices influence volunteers' motivations. Moreover, while research shows that the importance of helping others is more common among religious people, it has also been found that members of religious congregations volunteer more

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frequently and dedicate more hours to voluntary service (Abuiyada, 2018; Ariza-Montes et al., 2018; DeAngelis et al., 2016; Einolf, 2011; Fényes, 2015; Hill & Dulk, 2013; Hustinx et al. 2015; Merino, 2013; Monsma, 2007; Paxton et al. 2014; Wilson & Janoski, 1995; Yeung, 2018). For example, Johnston (2013) reported that religion is strongly associated with volunteering for both religious and non-religious institutional forms of volunteering and that it increases the likelihood of volunteering in adult life. Also, Niebuur et al. (2018) and Herzog et al. (2020) reported that religious beliefs, affiliation, comfort in religion and religious salience are all associated with volunteering rates. Recent research conducted among Australian university students and the general population found that religious beliefs increased personal volunteering, while religious affiliation and service attendance increased pro-social motivations for volunteering (Petrovic et al., 2020). Similarly, religious practices had a positive effect on volunteering in Eastern Europe (Voicu & Voicu, 2009).

However, although many scholars have highlighted the importance of volunteering to building and maintaining a civil society, civic participation in Poland, due to historical and political reasons, is much lower than in Western countries, and volunteering, especially among Polish students, is a relatively new activity. Consequently, estimates show that only 6% of Poles engaged in volunteering in 2010 and only 11% in 2011 (Centrum Badania Opinii Społecznej, 2011a, b). At about the same time, however, it was also reported that Polish volunteers were characterised by their religiosity and attachment to the institutional Church and that volunteers' engagement rests mainly on religious and moral motivations (Szluz, 2012; Szymańska-Palaczyk, 2016; Główny Urząd Statystyczny, 2017). Moreover, according to the Centre for Public Opinion Research, while the number of volunteers who practice their religion regularly increased significantly after 2010, those who practice religion less frequently, or are religiously indifferent, decreased (Centrum Badania Opinii Społecznej, 2012).

Contemporaneously, because secularisation resulted in the drastic decline of religious practices in Europe (Davies, 2006), it has also changed the conditions of and motivations for volunteering (Jaronowska, 2017; Olczyk, 2015; Petrovic et al., 2020; Voicu & Voicu, 2009). Indeed, research shows that in many countries, including Poland, modernisation, globalisation, Europeanisation and economic development have weakened the positive relationship between religion and volunteering. Moreover, as people lose their religious identity, they perceive voluntary service in a more secular fashion, i.e. as a form of social activism, and not as a religious or moral duty in the form of an apostolate (Voicu & Voicu, 2009; Handy et al., 2010; Grönlund, 2012; Fényes & Pusztai, 2012; Centrum Badania Opinii Społecznej, 2012; Sawicki, 2014; Fényes, 2015; Lubrańska & Zawira, 2017). For example, while earlier studies have reported that 60.7% of the adult volunteers in Poland were motivated by moral, religious or political beliefs (Szluz, 2012), a recent study conducted among Polish students found that only 4% were driven strictly by religious motivations, with most more concerned about having a personal feeling of satisfaction from helping others (81%), wanting to gain professional experience (67%), help others (46%) or to meet new people (39%) (Jaronowska, 2017).

This is important, especially during the current health crisis caused by the COVID-19 outbreak, because volunteering constitutes the chief example of civic consciousness and responsibility (Chawłowska et al., 2021; Drexler et al., 2020; Gallagher & Schleyer, 2020; Gouda et al., 2020; Miller et al., 2020; Soled et al., 2020; Thomson & Lovegrove, 2020). This is especially so in countries like Poland, which struggle with the problem of a decreasing number of health professionals (Eurostat, 2020a), or in countries that have experienced care staff shortages during the COVID-19 pandemic (Rasmussen et al., 2020; Stokes, 2020). Thus, ever since the COVID-19 struck and an epidemic was announced by the Polish government, medical universities have started encouraging future healthcare professionals to volunteer and support the fight against the pandemic. Consequently, even though all universities in the country were closed, lectures were moved online and all medical students were pulled out of the hospital's, thousands of students of medicine, nursing, pharmacy, medical analytics, medical rescue and physiotherapy volunteered and started helping in local hospitals, emergency units, hospital pharmacies, sanitary-epidemiological stations, the university's diagnostic laboratory and local call centres.

Thus, this paper aims to describe the impact of religiosity on the motivations to volunteer among future healthcare professionals during the COVID-19 outbreak in Poland.

Methods

This study was conducted between 5 May and 30 June 2020 among students enrolled in Poznan University of Medical Sciences (PUMS), Poland using an online questionnaire posted on an online platform. The questionnaire consisted of three sections, the first asked questions regarding students' demographic characteristics, the second section gathered information on students' reactions to the pandemic and anxieties related to voluntary service, and the last section included questions regarding students' motivations to volunteer. In this part, respondents were asked to rank on a scale of 1–5 the reasons they volunteered, and the mean values were computed for these variables based on all responses.

The questionnaire was elaborated according to the guidelines of the European Statistical System (Eurostat, 2005). After submitting an application to the University Student Council Board (USCB) to obtain permission to complete the study, an online focus-group of five students and one sociologist was organised to discuss the list of questions regarding students' volunteering drawn from a literature review to develop the standardised questionnaire. The questionnaire was then assessed by four members of the USCB, one physician and one sociologist and pre-tested via an online platform with another five students to reformulate the five questions. After the pilot study, the final version of the questionnaire was evaluated by an additional three external reviewers: two students and one sociologist and received approval from the USCB. Additionally, ethics approval and research governance approval were obtained from the PUMS Bioethics Committee (KB—831/20). Finally, the questionnaire was posted on an online platform and distributed to students engaged

in voluntary service. All students received an invitation letter, and informed consent was obtained from all respondents enrolled in the study.

The data collected in the questionnaires were verified and checked for completeness, quality and consistency and exported into the statistical package JASP (Version 0.12.2) for presentation as descriptive statistics. The Mann–Whitney U test was used to compare differences between groups (faculty, study year, gender and religiosity), with a 5% level of significance used for all hypothesis tests. Cronbach's statistic, alpha, was used as a measure of the internal consistency of the items in the questionnaire. The overall alpha coefficient of the questionnaire was 0.836 (95% CI:0.812–0.858) and was found to be sufficient for the purposes of the study.

Results

From a total number of 741 PUMS students who engaged in volunteering during the COVID-19 pandemic between 5 May and 30 June, 417 (56.3%) participated in the study. Students, who refused to complete the questionnaire did so because they lacked the time or the interest in the study, were unwilling to discuss their attitudes towards volunteering or quit due to personal reasons. Overall, 72.2% of the respondents were females and 27.8% were males, all of Polish origin (Table 1). The overrepresentation of females can be explained by the fact that medical studies are strongly gendered in Poland, as females accounted for 77.2% of all students at PUMPS (4888 female vs 1442 male students) in 2019. Similarly, females accounted for 54% of all tertiary students, 57.7% of all graduates and 74% in the field of health and welfare in Europe in 2018 (Eurostat, 2020b).

Students who were in the last two of their three years of study volunteered more often than those in their first, second or third year (56.1% vs 43.9%, respectively). The vast majority were students of the medical faculty (61.4%) and lived in large agglomerations (52.3%). Although most respondents declared themselves as Christians (65.5%) and practising believers (33.8%), only 11.5% declared that religion played a significant role in their life.

Based on the responses regarding students' attachment to religion and its role in their life, it seemed reasonable to divide the respondents into two groups: religious (students who declared that religion influences their life decisions and choices) versus ambivalent/non-religious (students who were not attached to religion or felt it was irrelevant to them). The comparison of these two groups showed that they did not differ in terms of gender, faculty and year of study. The only statistically significant difference was that more students who declared that religion played an important role in their life came from the smallest towns and villages (p=0.021), while students who were ambivalent towards religion lived mainly in large cities (p=0.03).

After hearing the news about the COVID-19 outbreak, both students who were strongly attached to their religion and those who felt ambivalent about it felt the need to act and engage in the fight against the pandemic (64.4% vs 59.1%, respectively) (Table 2). However, the former was statistically significantly more concerned

Table 1Studentssociodemographiccharacteristics

| Characteristics | N (%) |
|---|------------|
| Gender | |
| Female | 301 (72.2) |
| Male | 116 (27.8) |
| Year of study | |
| 1 | 40 (9.6) |
| 2 | 87 (20.9) |
| 3 | 56 (13.4) |
| 4 | 99 (23.7) |
| 5 | 74 (17.8) |
| 6 | 61 (14.6) |
| Faculty | |
| Medicine | 256 (61.4) |
| Nursing | 42 (10.1) |
| Pharmacy | 23 (5.5) |
| Electroradiology | 20 (4.8) |
| Medical analytics | 19 (4.5) |
| Dentistry | 14 (3.4) |
| Midwifery | 11 (2.6) |
| Medical rescue | 10 (2.4) |
| Other | 22 (5.3) |
| Domicile | |
| Up to 10,000 inhabitants | 72 (17.3) |
| 10-50,000 inhabitants | 64 (15.3) |
| 51-100,000 inhabitants | 17 (4.1) |
| 101-500,000 inhabitants | 46 (11) |
| Above 500,000 inhabitants | 218 (52.3) |
| Confession | |
| Christian | 273 (65.5) |
| Agnostic | 48 (11.5) |
| Atheist | 96 (23) |
| Religious practices | |
| Believing/practising | 141 (33.8) |
| Believing /not practising | 129 (30.9) |
| Nonbeliever/practising | 6 (1.4) |
| Nonbeliever/not practising | 141 (33.8) |
| What role does religion play in your life? | |
| Significant, it influences my life decisions and choices | 48 (11.5) |
| Rather big, I try to follow religious principles in my life | 93 (22.3) |
| Little, I separate religion from public issues | 137 (32.9) |
| None, it is irrelevant to me | 139 (33.3) |

| Table 2 Students' experiences during the COVID-19 outbreak | | | | |
|--|--------------------|--------------------------------------|---------|-------|
| | N (%) | | W | d |
| | Religious students | Ambivalent/non-religious students | | |
| What were your feelings after hearing about the COVID-19 outbreak? | | | | |
| Fear for loved ones | 39 (81.3) | 234 (63.4) | 7276.5 | 0.015 |
| Willingness to act | 31 (64.4) | 218 (59.1) | 8368.5 | 0.465 |
| Fear about my own future | 10(20.8) | 105 (28.5) | 9531.0 | 0.267 |
| Anger | 11 (22.9) | 142 (38.5) | 10234.5 | 0.036 |
| Nothing, it was irrelevant to me | 2 (4.2) | 22 (6) | 9015.0 | 0.617 |
| Were you anxious about anything during your voluntary service? | | | | |
| That I can get infected | 15 (31.3) | 116 (31.4) | 8872.5 | 0.980 |
| That the healthcare system may collapse | 6 (12.5) | 126 (34.1) | 10773.0 | 0.002 |
| That the pandemic will affect my studies | 23 (47.9) | 175 (47.4) | 8812.5 | 0.950 |
| That the pandemic will affect the situation in the country | 19 (39.6) | 180(48.8) | 9670.5 | 0.231 |
| That I will not handle it | 6 (12.5) | 63 (17.1) | 9261.0 | 0.424 |
| That the pandemic will affect my economic situation | 6 (12.5) | 108 (29.3) | 10341.0 | 0.014 |
| I had no worries | 6 (12.5) | 54 (14.6) | 9045.0 | 0.693 |
| How many times have you volunteered before? | | | | |
| 0 | 13 (27.1) | 105 (28.5) | 17519.5 | 0.843 |
| 1 | 1 (2.1) | 25 (6.8) | 9271.5 | 0.207 |
| 2 | 5 (10.4) | 57 (15.4) | 9301.5 | 0.358 |
| 3-5 | 16 (33.3) | 90 (24.4) | 8064.0 | 0.181 |
| 6-10 | 3 (6.3) | 31 (8.4) | 9046.5 | 0.610 |
| >10 | 10 (20.8) | 62 (16.8) | 8499.0 | 0.488 |
| | | | | |

| (continued) |
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| | N (%) | | M | d |
|---|--------------------|--------------------------------------|--------|-------|
| | Religious students | Ambivalent/non-religious students | | |
| Has volunteering met your expectations? | | | 8412.0 | 0.424 |
| Yes | 40 (83.3) | 289 (78.3) | | |
| No | 8 (16.7) | 80 (21.7) | | |
| | | | | |

that the pandemic might harm their loved ones (p = 0.015), while the latter felt anger more often (p = 0.036).

When asked about their concerns related to their voluntary service during the COVID-19 outbreak, students who were ambivalent or irrelevant about religion felt more anxious about all the possible dangers related to volunteering and the negative consequences of the COVID-19 pandemic. In particular, they differed in a statistically significant way in their concerns regarding the possibility that the healthcare system might collapse (p=0.002) and that the pandemic would affect their economic situation (p=0.014).

The analysis did not reveal any differences between both groups in their earlier involvement in volunteering, as more than two-thirds of the respondents in both groups had volunteered before. Moreover, neither the differences in the frequency of previous volunteering nor in volunteers' opinions about their expectations regarding the current voluntary service were found.

Although religion was not a key predictor of the students' volunteering, it played a significant role in determining their motivations to join the fight against the pandemic. When asked about the reasons that influenced their decision about engaging in voluntary service after COVID-19 struck, the means calculated from the weights assigned differed significantly in the case of eight responses. As shown in Table 3, students who felt strongly attached to their religion were statistically significantly driven by altruistic values more often than those for whom religion was irrelevant. While the former scored much higher when asked about such pro-social reasons as to help others ($p \le 0.001$), to give something back to the community (p=0.003), to realise the duty of public service ($p \le 0.001$), to help succeed in the fight against the pandemic (p=0.021) and to participate in something important (p=0.006), non-religious students wanted to enhance their professional résumé more often (p=0.041).

Discussion and Conclusions

Compared to other European countries, Poland is still a conservative and religious nation, and religion in the country is still highly institutionalised, both at the public and private level. However, Poland is currently experiencing a changing relationship with the Church, as much of the population is moving towards a more secular view of life, one with a greater separation between the Church and the state, and a rejection of Church mandates on individual morality. Consequently, volunteering is also frequently perceived by many as a form of social activism rather than as a religious or moral duty. Thus, even though most Polish volunteers are still driven by altruistic motives, studies show that especially young people, including students, increasingly perceive volunteering as a possibility to gain new knowledge and skills that may benefit their future professional career (Centrum Badania Opinii Społecznej, 2011b; Sawicki, 2014; Olczyk, 2015; Jaronowska, 2017; Lubrańska & Zawira, 2017; Główny Urząd Statystyczny, 2017). A similar observation has been made in other countries, where traditional volunteering is being replaced by its modern form (Brooks, 2002; Fényes & Pusztai, 2012; Handy et al., 2010; Holdsworth, 2010; Hustinx, 2001; Hustinx & Lammertyn, 2003; Rehberg, 2005; Voicu & Voicu, 2009).

| Motivations | Mean | | | |
|--|--------------------|--------------------------------------|----------|---------|
| | Religious students | Ambivalent/non-religious students | м | d |
| To enhance my professional résumé | 1.83 | 2.19 | 10,377.0 | 0.041 |
| To get new knowledge and skills | 3.73 | 3.68 | 8441.5 | 0.585 |
| To gain professional experience | 3.54 | 3.59 | 8967.0 | 0.884 |
| To make new contacts that might help me in the future | 2.71 | 2.79 | 9238.5 | 0.617 |
| To help others | 4.81 | 4.32 | 6236.0 | < 0.001 |
| To contribute to the community | 4.52 | 4.04 | 6643.5 | 0.003 |
| To realise the duty of public service inherent to the medical profession | 4.06 | 3.37 | 6327.0 | < 0.001 |
| To help succeed in the fight against the pandemic | 3.96 | 3.60 | 7103.5 | 0.021 |
| To participate in something important | 4.04 | 3.60 | 6778.0 | 0.006 |
| To have a sense of duty and pride | 3.77 | 3.41 | 7364.5 | 0.051 |
| To realise my passion | 4.23 | 3.50 | 5722.0 | < 0.001 |
| To experience the adventure and to tell my future kids that I was a part of it | 2.81 | 2.69 | 8492.0 | 0.636 |
| To fill free time | 2.23 | 2.98 | 11,473.5 | < 0.001 |
| To make new friends and establish new connections | 2.56 | 2,62 | 9187.5 | 0.665 |
| To work with other people | 3.58 | 3.43 | 8088.5 | 0.315 |
| To gain the recognition of my professors, family and friends | 1.85 | 1.92 | 9468.5 | 0.404 |
| | | | | |

Table 3 The impact of religion on students' motivations to volunteer

Statistically significant differences are written in boldface

At the same time, this study shows that similar to other countries, future healthcare professionals in Poland expressed a strong interest in active participation during the current health care emergency (Chawłowska et al., 2021; Drexler et al., 2020; Gallagher & Schleyer, 2020; Gouda et al., 2020; Miller et al., 2020; Soled et al., 2020; Thomson & Lovegrove, 2020). Furthermore, although students' religiosity was not a significant predictor of volunteering during the COVID-19 outbreak, it influenced their motivations to join the fight against the pandemic. Indeed, while the religious students were driven by altruistic motives (being useful for the society and doing something for others) at a higher rate, the non-religious students were focused more often on building their professional résumé and spending time in a useful way. Moreover, as the former stressed the desire to help others and to give something back to the community, they also more frequently emphasised that nurturance and care for others were deeply embedded in the role of health professionals. Consequently, they wanted to realise the duty of public service and help succeed in the fight against the pandemic. Thus, it seems that particularly during the current health crisis caused by the COVID-19 outbreak, religion strengthened students' perception of the medical profession as a unique vocation and moral service, often stressing that as future health professionals they felt it was their duty to engage with and help those in need, disregarding the risk. Nevertheless, even in the case of students who defined themselves as deeply religious, pure altruism was not the only motivation, as most respondents volunteered to gain skills, connections or some kind of psychological satisfaction. Thus, it should be acknowledged that the motivations of many students were often a mixture of altruistic and egoistical drivers.

It was also striking that although all the students were concerned about their health and the future of their education, non-religious students were more anxious about the risk associated with the voluntary service itself and possible consequences of the COVID-19 pandemic on society, the country's economy, the healthcare system and their situation. Moreover, while religiously indifferent students felt anger more often, students who felt attached to their religion feared that the pandemic might harm their loved ones. Thus, again, students' religiosity was strongly correlated with altruistic values. However, for many volunteers religion served as a unique protective factor that helped with facing and coping with stress, making them feel more competent to volunteer.

To conclude, while this study shows that students' religiosity was not a significant predictor of volunteering during the COVID-19 pandemic, it did influence differences in students' motivation. Thus, it shows that all students committed to volunteering during the current health crisis constitute a good example of active citizenship and civic responsibility. At the same time, while both religious and non-religious students had altruistic and self-interested motivations for volunteering, several altruistic motivations were more common among religious students.

Study Limitations

The findings from this study are limited in several respects that may impact their generalisability and interpretation. First, although the response rate was reasonably

high, students from only one Polish medical university were enrolled in the study. Second, as many students refused to complete the questionnaire, the results represent solely the opinions of those who agreed to participate in the study and cannot be generalised for the entire population of future health professionals either in Poznan or in Poland as a whole. Third, as we did not ask specific questions regarding students' religious attendance and beliefs, further in-depth studies would be required. However, we believe that as this is the first study examining the link between student's religiosity and motivations to volunteer during a COVID-19 pandemic in Poland it may stimulate further research on the topic.

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Declarations

Conflict of interest The authors declare that they have no conflict of interest.

Ethical Approval This study was performed in line with the principles of the Declaration of Helsinki. The questionnaire and methodology for this study were approved by the vice-rector for didactics of the PUMS, Poland and the USCB. Ethics approval and research governance approval were obtained from the PUMS Bioethics Committee (KB – 831/20).

Informed Consent Informed consent was obtained from all individual participants included in the study.

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