La demografía y la satisfacción laboral como predictores del bienestar mental de los docentes Filipinos: Una encuesta basada en la web dos años después del inicio de la pandemia

Demographics and job satisfaction as predictors of mental well-being of Filipino teachers: A web-based survey two years after the onset of pandemic

Ryan Michael F. Oducado
West Visayas State University, Philippines
rmoducado@wvsu.edu.ph

Mary Kristine Q. Amboy
West Visayas State University, Philippines
mkamboy@wvsu.edu.ph

Baby Rose G. Robles
West Visayas State University, Philippines
brrobles@wvsu.edu.ph

Daisy A. Rosano
West Visayas State University, Philippines
drosano@wvsu.edu.ph

Hilda C. Montaño
West Visayas State University, Philippines
hildamontano@wvsu.edu.ph

Dolly Rose F. Temelo
West Visayas State University, Philippines
dtemelo@wvsu.edu.ph

Ayesha C. Penuela
West Visayas State University, Philippines
acpenuela@wvsu.edu.ph
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Ryan Michael F. Oducado et al

Arlyn F. Salistre
West Visayas State University, Philippines
afsalistre@wvsu.edu.ph

Liza Marie M. Ramirez
West Visayas State University, Philippines
Imramirez@wvsu.edu.ph

Khen A. Tamdang
University of San Agustin, Philippines
ktamdang@usa.edu.ph

RESUMEN
Los docentes de todo el mundo han tenido que cambiar su forma de trabajar debido a la crisis sanitaria de la COVID-19. Estos cambios laborales y los desafíos de la pandemia han afectado a los docentes de una forma u otra. Es necesario investigar el bienestar de los docentes y su grado de satisfacción con sus trabajos dos años después del inicio de la pandemia y el confinamiento a nivel nacional. Este estudio examinó los factores que predicen el bienestar mental subjetivo de los docentes en Filipinas. Utilizando un diseño de estudio transversal, se analizaron las respuestas de la encuesta de 218 profesores filipinos. Los datos se recopilaron electrónicamente utilizando el formulario de perfil demográfico, una versión corta de la Escala de Bienestar Mental de Warwick-Edimburgo y el Índice Corto de Satisfacción Laboral. Los resultados indicaron que la mayoría de los docentes tenían una satisfacción laboral entre media y alta y un bienestar mental subjetivo medio. El análisis de regresión reveló que el tipo de escuela empleada, la residencia y la satisfacción laboral eran predictores significativos del bienestar mental de los docentes. Este estudio afirma que determinadas variables demográficas y la satisfacción en el trabajo ejercen una influencia positiva en la salud mental de los docentes. Es vital mejorar continuamente las condiciones laborales de los docentes e idear formas de mejorar su bienestar.

PALABRAS CLAVE
Satisfacción laboral; salud mental; Filipinas; profesores; bienestar.

ABSTRACT
Teachers worldwide have had to change how they work because of the COVID-19 health crisis. These work changes and pandemic challenges have affected teachers in one way or another. There is a need to investigate teachers’ welfare and how contented they are with their jobs two years after the onset of the pandemic and nationwide lockdown. This study examined the factors predicting the subjective mental well-being of teachers in the Philippines. Using a cross-sectional study design, the survey responses of 218 Filipino teachers were analyzed. Data were gathered electronically using the demographic profile form, a short version of the Warwick–Edinburgh Mental Well-being Scale, and the Short Index of Job Satisfaction. Results indicated that the majority of teachers had average to high job satisfaction and average subjective mental well-being. Regression analysis revealed that the
type of school employed, residence, and job satisfaction were significant predictors of the mental well-being of teachers. This study affirms that certain demographic variables and satisfaction at work exert a positive influence on the mental health of teachers. Continuously making improvements in the working conditions of teachers and devising ways to enhance their well-being are vital.

KEY WORDS
Job satisfaction, mental health, Philippines, teachers, well-being.

1. INTRODUCTION
The effectiveness and efficacy of teachers in educational environments critically shape societal advancement, with students deriving the most direct benefits. Central to this influence is the mental well-being of educators, a lack of which hinders the creation of optimal learning conditions (Aliakbari, 2015). The advent of the COVID–19 pandemic has radically altered professional practices and environments, negatively affecting not just students (Annamalai, 2021) but also educators and academic staff worldwide (Min et al., 2021). The teaching profession, already known for high stress and a propensity for psychosomatic issues more than other professions (Vargas–Rubilar & Oros, 2021; Wettstein et al., 2021), has been further challenged by these shifts. Notably, the transition to modular and online teaching methods has exacerbated the demands of this profession (Stang–Rabrig et al., 2022). This evolving scenario has heightened concerns about job satisfaction and educators’ physical and mental health (Lulli et al., 2021). Additionally, the correlation between psychosocial and occupational stressors and changes in job satisfaction has significant implications for the well-being of teachers (Wischlitzki et al., 2020). Unaddressed, these stressors pose substantial risks to teachers’ mental health, potentially increasing attrition rates due to stress and deteriorating psychological well-being (Gomez, 2022).

Considering the global issue of teacher shortages, it becomes crucial to pay closer attention to teacher job satisfaction and well-being (Toropova et al., 2021). Workforce attrition associated with job satisfaction is among the leading concerns of school leaders and policymakers in several countries, including the Philippines (Sapar & Oducado, 2021). In the academe, job satisfaction, among other factors, has contributed to poor mental wellness and educators’ turnover intention (Madigan & Kim, 2021). Recent studies suggest that schools must consider educators’ job satisfaction or “happiness at work” to enhance their holistic well-being (Sudibjo & Manihuruk, 2022). There is robust evidence that job satisfaction and mental well-being have determined the effectiveness of teaching–learning practices in various academic contexts and positively impact student achievements (Hoque et al., 2023; Madigan & Kim, 2021; Ortan et al., 2021).

Meanwhile, nationwide lockdowns were implemented in response to the pandemic. In the Philippines, the first lockdown started on March 2020 (UNICEF Philippines, 2020). The community quarantine led to a global shift in schools towards remote and hybrid learning models. The transition towards emergency remote learning modality has disrupted traditional classroom instruction and management (Gajda et al., 2021; Oducado et al., 2021), significantly affecting the teaching profession worldwide. Filipino teachers, like their global counterparts, have had to adapt to these changes, grappling with challenges in managing administrative responsibilities amid rapidly evolving circumstances. As a result, stress levels among educators have escalated, raising concerns about the quality of life, job satisfaction, and mental well-being (Lin et al., 2021; Lulli et al., 2021; Oducado et al., 2021; Rabacal et al., 2020; Vargas–Rubilar & Oros, 2021). Previous studies indicate that these changes in the education sector have adversely impacted teacher job satisfaction and mental well-being during the pandemic. This situation highlights the growing need to assess and address educators’ job satisfaction and mental well-being. However, there remains a dearth of studies examining these variables among Filipino teachers two years after the pandemic’s onset.

With teachers as the primary backbone of the education system, their job satisfaction and mental well-being are vital to the overall well-being of the educational system. Understanding the factors that affect job satisfaction and mental well-being is essential to promote a healthy and
productive teaching workforce. Several studies have investigated job satisfaction and mental well-being among teachers. For instance, studies in Italy and Iran found job satisfaction positively associated with teachers’ mental health and well-being (Capone & Petrillo, 2020; Aliakbari, 2015). In the Philippines, studies found that most teachers were generally satisfied with their jobs despite the challenges in the education sector (Atencio, 2019; Pilarta, 2015). Yet, these studies occurred before the COVID-19 outbreak, and findings may not reflect the current situation, potentially rendering their conclusions outdated considering the current circumstances. Some scholars have warned about the possible long-term psychological sequelae and the existence of a mental health crisis after the COVID-19 pandemic (Ellyatt, 2022; Min et al., 2021; Rabacal et al., 2020). In addition, while demographic factors do not necessarily determine a person’s mental health outcomes, some prior research conducted elsewhere noted that variables such as age, gender, socioeconomic status, and geographic location have an impact on mental health (Alcañiz et al., 2020; Cleofas, 2022; Flores et al., 2022; Hidalgo-Andrade et al., 2021; Reiss et al., 2019).

In light of the above, this study examines Filipino teachers’ job satisfaction and mental well-being two years after the nationwide lockdown and pandemic. It also aims to determine whether selected demographic factors and job satisfaction influence the subjective mental well-being of teachers. This study aims to contribute to the current literature on teacher job satisfaction and mental well-being, particularly in the context of the unprecedented changes brought by the COVID-19 pandemic in the education sector. In addition, this study can provide evidence-based recommendations for promoting job satisfaction and mental well-being among Filipino teachers geared towards enhanced educational outcomes.

2. MATERIALS AND METHODS

2.1. Study Design, Participants, and Data Gathering

This study used a quantitative, cross-sectional, correlational design involving the analysis of survey responses of 218 Filipino-employed teachers presently enrolled in the graduate program of the College of Education in a state-funded university in the Philippines. For the sample size requirement, a-priori sample size calculator for multiple regression suggested that 113 was the minimum required sample size, given a.05 probability level, nine predictor variables in the model, a.15 anticipated effect size, and a.80 desired statistical power level. Data were gathered electronically from the end of March to the second week of April 2022. Google Forms serves as the platform for both survey creation and data collection. Our study adhered to the regulations outlined in the Data Privacy Act of the country and followed ethical standards for academic research. Permission from the administrative head was obtained before the actual data gathering. The complete details of the study and consent to participate were presented on the first page of the survey form. The anonymity of respondents and confidentiality of the answers were maintained throughout the study.

2.2. Study Instruments

The Short Index of Job Satisfaction (SIJS) and the Short Warwick-Edinburgh Mental Well-being Scale (SWEMWS) were the main research instruments used. The researchers were granted permission to use the instruments. The SIJS measured the global job satisfaction of teachers. The SIJS from the work of Sinval and Marôco (2020) had five items, however, for this study, only four items were used. The item “Each day at work seems like it will never end” was deleted for the scale to have an acceptable Cronbach’s alpha of .752. Each item on the SIJS was answerable on a five-point Likert scale “Strongly Disagree-1” to “Strongly Agree-5”), with one item (“I consider my job to be rather unpleasant”) being reversely scored. We used Bloom’s cut-off points cited by Seid and Hussen (2018) to categorize the scores in the SIJS: high if the score was >80% (16-20 points), average if the score was 60-79% (12-15 points), and <59% (4 to 11 points). This study utilized the SWEMWS of the NHS Health Scotland, the University of Warwick, and the University of Edinburgh (2008) to measure subjective mental well-being. The 7-item SWEMWS had a 5-point Likert scale response option ranging from “None of the time-1” to “All of the time-5.” The raw scores were transformed to metric scores using the conversion table and were categorized as
follows: “7 to 20–low”, “21 to 27–average”, and “28 to 35–high” (Stewart Brown et al., 2008; Egcas et al., 2021). The SWEMWS had acceptable internal consistency among Filipino samples (Cleofas & Oducado, 2021; Egcas et al., 2021). For this present study, the Cronbach’s alpha was .864. The age, gender (male, female), location of residence (city, town), marital status (single, married), type of schools where teachers are currently employed (public, private), degree program (doctoral, masters), and COVID-19 vaccination status (fully vaccinated, partially vaccinated, unvaccinated) were also collected. Teachers were also asked if they occupy supervisory or administrative positions, answerable by “yes or no.”

2.3. Statistical Data Analysis

To ascertain the profile of the respondents and levels of job satisfaction and mental well-being, we used frequency, percentage, mean, and standard deviation. It was suggested that 100 participants would be acceptable for parametric comparisons (Campo-Arias et al., 2021). Hence, Pearson’s correlation and t-test for Independent Samples were used to test the association between the independent and dependent variables. Step-wise regression analysis was used to identify predictors, and a p-value of .05 was accepted as significant. The IBM SPSS version 26 was used for statistical analysis.

3. RESULTS

Table 1 shows that the majority of the respondents were younger (60.6 %), females (77.5 %), residing in towns (65.6 %), single (69.3 %), teaching in government schools (68.3 %), without supervisory or administrative position (66.1 %), enrolled in the master’s degree program (68.3 %) and has received COVID vaccination (98.6 %).

<table>
<thead>
<tr>
<th>Profile</th>
<th>f</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age [M=30.36, SD=7.43]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Older (31 and above)</td>
<td>86</td>
<td>39.4</td>
</tr>
<tr>
<td>Younger (30 and below)</td>
<td>132</td>
<td>60.6</td>
</tr>
<tr>
<td>Gender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>49</td>
<td>22.5</td>
</tr>
<tr>
<td>Female</td>
<td>169</td>
<td>77.5</td>
</tr>
<tr>
<td>Residence</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Town</td>
<td>143</td>
<td>65.6</td>
</tr>
<tr>
<td>City</td>
<td>75</td>
<td>34.4</td>
</tr>
<tr>
<td>Marital status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single</td>
<td>151</td>
<td>69.3</td>
</tr>
<tr>
<td>Married</td>
<td>67</td>
<td>30.7</td>
</tr>
<tr>
<td>Type of school employed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private school</td>
<td>69</td>
<td>31.7</td>
</tr>
<tr>
<td>Government school</td>
<td>149</td>
<td>68.3</td>
</tr>
</tbody>
</table>
Table 2 shows that 49.1% and 41.7% of the teachers had average and high job satisfaction, respectively. Moreover, while 59.2% had average subjective mental well-being, 20.2% posted low mental well-being.

Table 2. Level of job satisfaction and mental well-being.

<table>
<thead>
<tr>
<th>Level</th>
<th>F</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job satisfaction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High (16–20)</td>
<td>107</td>
<td>49.1</td>
</tr>
<tr>
<td>Average (12–15)</td>
<td>91</td>
<td>41.7</td>
</tr>
<tr>
<td>Low (4–11)</td>
<td>20</td>
<td>9.2</td>
</tr>
<tr>
<td>Mental wellbeing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High (28–35)</td>
<td>45</td>
<td>20.6</td>
</tr>
<tr>
<td>Average (21–27)</td>
<td>129</td>
<td>59.2</td>
</tr>
<tr>
<td>Low (7–20)</td>
<td>44</td>
<td>20.2</td>
</tr>
</tbody>
</table>

The t-test for independent samples in Table 3 shows that teachers’ subjective mental well-being significantly differs based on age (t=−2.478, p=.014), gender (t=2.258, p=.025), location of residence (t=2.158, p=.032), type of school they presently work (t=−2.105, p=.036), and degree program they are currently enrolled (t=2.424, p=.016). Moreover, Pearson’s correlation revealed a moderately significant positive relationship (r=.494, p=.000) between teachers’ job satisfaction and mental well-being.

Table 3. Bivariate analysis of factors associated with mental well-being.
The result of the multiple regression analysis (Table 4) shows that job satisfaction ($\beta = .346$, $p = .000$), the type of school where teachers are currently employed ($\beta = .988$, $p = .008$), and their location of residence ($\beta = .924$, $p = .012$) were significant predictors explaining 28% of the variance of teachers’ mental well-being.
4. DISCUSSION

This cross-sectional survey assessed teachers’ job satisfaction and subjective mental well-being in the Philippines two years after the onset of pandemic and nationwide lockdown. Mental health professionals say that the impact of the COVID-19 pandemic on mental health might be long-lasting, extending to a generation (Ellyatt, 2022; Min et al., 2021; Rabacal et al., 2020), and given the global issue of teacher shortages is growing, paying closer attention to teacher job satisfaction and well-being is important (García & Weiss, 2019; Toropova et al., 2021). In this study, researchers found that teachers are generally moderately to highly satisfied with their jobs. This finding conforms with the results of the studies that the majority of the teachers are satisfied or very content with their work and responsibilities in the teaching profession (Atencio, 2019; Pilarta, 2015). Even during the outbreak of the COVID-19 pandemic, although teachers have difficulty adjusting to their new work set-up and higher intention to leave their work (Gillani et al., 2022), some reports found that teachers appear to still find fulfillment in their jobs (Glaveli et al., 2023). They still accomplish their goals and hold on to their profession as teachers, not just teachers. Many teachers in the Philippines see their work as a calling rather than just a job (Rogayan, 2018). They view themselves as agents of change who are shaping the future of their students and the country. The opportunity to inspire and educate young minds can be fulfilling for many teachers. Knowing that they are making a difference in the lives of their students can be a source of great satisfaction. These may explain why teaching in the Philippine setting is found to be fulfilling by teachers. However, it is worth noting that not all teachers may be satisfied with their jobs. In some countries and the Philippines as well, there are concerns about the impact of low pay, high workload, increased stress levels, inadequate resources, and demanding working environments (García & Weiss, 2019; Organization for Economic Cooperation and Development, 2022; Southeast Asian Ministers of Education Organization Regional Center for Educational Innovation and Technology, 2021). However, the reasons above suggest why some teachers in the Philippines may be content with their profession.

The sample of this study also revealed average mental well-being among teachers. However, it is also significant to note that about one out of five teachers had poor mental well-being. Studies conducted in the Philippines during the pandemic also reported a moderate impact of COVID-19 on the quality of life of teachers (Oducado et al., 2021; Rabacal et al., 2020). Several other studies conducted elsewhere disclosed high levels of symptoms of stress, anxiety, depression, burnout among teachers and worsening mental health (Agyapong et al., 2022; Kotowski et al., 2022; Lau et al., 2022; Ozamiz-Etxebarria et al., 2021; Sigursteinsdottir & Rafnssdottir, 2022). Longitudinal research even noted that teachers’ mental health and well-being have declined throughout the pandemic (Kim et al., 2021). Literature suggests that it can be attributed to the uncertainty of the pandemic, the sudden requirement to teach remotely, high workload, having to manage both in-person and online learning, undefined work hours, blurred personal and professional life, mul-

<table>
<thead>
<tr>
<th>Model</th>
<th>Unstandardized Coefficients</th>
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<tbody>
<tr>
<td></td>
<td>β</td>
</tr>
<tr>
<td>(Constant)</td>
<td>3.771</td>
</tr>
<tr>
<td>Job satisfaction</td>
<td>.346</td>
</tr>
<tr>
<td>Type of school employed</td>
<td>.988</td>
</tr>
<tr>
<td>Residence</td>
<td>.924</td>
</tr>
</tbody>
</table>

Note: R Square =.280, F = 27.800, p=.000

Table 4. Model coefficients.
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La COVID-19 pandemia ha presentado numerosos desafíos para los maestros, y este estudio resalta la importancia de monitorear y prestar atención a la salud y el bienestar de los maestros durante las crisis y pandemias mundiales.

En este estudio, tres de las nueve variables significativamente predijeron la satisfacción mental de los maestros. Este estudio encontró que los maestros que residen en localidades o zonas rurales tienen significativamente mejor bienestar mental. Algunos estudios han demostrado que un mayor nivel de ruralidad está asociado con un mejor bienestar mental (Alcañiz et al., 2020), y hay algunas pruebas empíricas sugiriendo que los maestros de escuelas rurales tienen mejor bienestar subjetivo y son más efectivos en el desarrollo de los estudiantes (Tang, 2018). Los consideraciones personales o familiares son a menudo las razones por las que los maestros aceptan posiciones en escuelas rurales (Leech et al., 2022). Existen varias razones por las que los maestros que residen en áreas rurales pueden tener mejor bienestar mental. Comparado con las áreas urbanas, las áreas rurales suelen tener un ritmo de vida más lento, menos tráfico y menos multitudes (Gross et al., 2017). Estos factores pueden reducir los niveles de estrés y crear un ambiente más relajado. Los educadores en entornos rurales pueden experimentar menos estrés laboral potencialmente beneficioso para su salud mental. Además, pueden experimentar emociones de pertenencia y apoyo mayor de su comunidad local, lo que puede significativamente mejorar su bienestar mental.

El tipo de escuela también predijo el bienestar mental de los maestros; los maestros que trabajan en escuelas gubernamentales tuvieron un bienestar mental significativamente mejor en este estudio. Un cambio significativo se encontró en el nivel de estrés de acuerdo con el tipo de escuela en un estudio diferente (Lau et al., 2022). Los maestros de escuelas públicas se detectaron como tener un bienestar mental superior a los maestros de escuelas privadas en Pakistán (Hussain et al., 2022). Mientras que se sabe que los maestros de escuelas públicas en Filipinas están sobrecargados (David et al., 2019), los maestros de escuelas públicas reciben un pago más que los maestros de escuelas privadas (Tadle, 2022). Además, los maestros de escuelas públicas a menudo tienen mayor seguridad laboral y son menos propensos a sufrir despidos inesperados que los maestros de escuelas privadas. También se detectó una diferencia significativa entre los maestros permanentes y los maestros temporales en un estudio previo (Capone & Petrillo, 2020). Esto puede contribuir a una mayor satisfacción, una mayor sensación de seguridad y un menor estrés financiero entre los maestros de escuelas públicas, lo que puede contribuir a un mejor bienestar mental. Los problemas de salud mental e impuestos financieros se reportaron como temas en un estudio cualitativo durante la pandemia de profesores de escuelas privadas en Filipinas (Guimarang, 2021).

Finalmente, este estudio encontró que la satisfacción laboral de los maestros positivamente y significativamente predijo su bienestar mental. Los maestros más satisfechos son los que tienen mejor bienestar mental. Los maestros satisfechos con su trabajo experimentan un mejor bienestar mental, apoyo al trabajo y bienestar mental general. El positivo o favorable aspecto del bienestar mental puede generar sentimientos felices, conduciendo a la satisfacción laboral de los maestros (Cao et al., 2022). Por lo tanto, se deben tomar medidas para mejorar la satisfacción laboral y eventualmente la salud mental.

Limitaciones existen con este estudio. Su alcance se limitó a los maestros filipinos, por lo que restrictiendo la aplicabilidad de los hallazgos solo al contexto y las sutiles diferencias culturales en los Filipinos. El estudio futuro puede verificar las conclusiones obtenidas en este estudio a través de un análisis comparativo de multi-alcances y expansión a diferentes contextos culturales. Como diseño de sección transversal, los resultados están sujetos a correlación y no establecen causas efectivas entre variables. En la adición, el resultado derivado de este estudio se expone a un reporte de auto-biases y no se supone que sea una diagnóstico clínico de los problemas de salud mental. Además, este estudio se enfoca exclusivamente en la satisfacción global y el bienestar mental sin llegar a dimensiones específicas. Recomendamos prudencia en interpretar los resultados.
and applying our research findings. Nonetheless, this research adds to the expanding evidence regarding teachers’ psychological well-being.

5. CONCLUSION

This study, examining Filipino teachers two years after the onset of nationwide COVID-19 lockdown, underscores the pivotal role of job satisfaction in influencing teachers’ mental health. It elucidates the critical link between professional satisfaction and psychological well-being, stressing the necessity of a supportive work environment in educational settings amidst the pandemic’s transformative impact. Key findings highlight the urgency of prioritizing teacher well-being as essential to a dynamic educational system. The study reveals the influence of demographics, such as school type, residential setting, and job satisfaction, as significant predictors of mental well-being. In light of ongoing global health challenges, improving working conditions and strategizing for teachers’ well-being, especially for younger female teachers in private schools and rural areas, is paramount. A major insight of this research is the need for customized mental health interventions within educational policies. This includes implementing mental health training for administrators, fostering peer support networks, and ensuring access to professional mental health services. The study also advocates for comprehensive policy reforms at the governmental level, targeting not just economic factors but also the overall quality of the teaching environment, including reduced class sizes, increased educational funding, and continuous professional development. This study presents a timely perspective on post-pandemic Filipino teachers’ job satisfaction and mental well-being. It calls for a concerted effort among educational leaders, policymakers, and mental health professionals to collaboratively foster environments conducive to teachers’ professional and personal growth. Such collaboration is crucial for the resilience and future sustainability of the educational workforce, ultimately enriching the educational sector.

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