PROFILE OF WOMEN ATTENDED BY A POLE OF THE ACADEMIA DA SAÚDE PROGRAM IN SOBRAL, CEARÁ, BRAZIL

PERFIL DAS MULHERES ATENDIDAS POR UM POLO DO PROGRAMA ACADEMIA DA SAÚDE EM SOBRAL, CEARÁ, BRASIL

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RESUMO

O objetivo deste estudo foi descrever as características das mulheres atendidas no polo do Programa Academia da Saúde em Sobral, Ceará. Realizou-se um estudo descritivo, de delineamento transversal com 102 participantes do programa. As informações foram obtidas por meio da aplicação de uma ficha de avaliação corporal integrada. Foram coletadas as variáveis de idade, cor da pele, estado civil, situação ocupacional, índice de massa corporal, uso de medicamentos, álcool e tabaco, morbididades e autopercepção corporal através de escala válida. Foi utilizada estatística descritiva (média, desvio padrão, frequência absoluta e relativa) para análise dos dados. Os resultados mostram que o perfil de usuárias frequentadoras são mulheres de meia idade (47,1%), brancas (56,9%), que vivem com o companheiro (66,7%), possuem alguma morbidade autorreferida (67,6%), desempregadas (37,2%) e com autopercepção corporal negativa (60,8%). As ações desenvolvidas no polo do PAS de Sobral têm assegurado maior participação de mulheres de meia idade, brancas, que vivem com companheiro, possuem alguma morbidade autorreferida, são em maior parte desempregadas e possuem autopercepção corporal negativa. Além disso, as ações têm contemplado uma participação irrisória de homens. Este estudo orienta que as ações dos polos do PAS sejam acompanhadas e avaliadas para que gestores possam entender como reverberam as atividades propostas em relação ao perfil das usuárias, possibilitando a aderência das usuárias às atividades propostas. 


ABSTRACT

The aim of this study was to describe the characteristics of women attended in the pole of the Academia da Saúde Program in Sobral, Ceará. A descriptive, cross-sectional study was carried out with 102 program participants. The information was obtained through the application of an integrated body assessment form. The following variables were collected: age, skin color, marital status, occupational status, body mass index, use of medicines, alcohol and tobacco use, morbidities and body self-perception through a valid scale. Descriptive statistics (mean, standard deviation, absolute and relative frequency) were used for data analysis. The results show that the profile of users who visit are middle-aged women (47.1%), white (56.9%), that live with the partner (66.7%), have some self-reported morbidity (67.6%), unemployed (37.2%) and with a negative body self-perception (60.8%). The actions developed at the PAS of Sobral have ensured greater participation of middle-aged, white women, who live with a partner, have some self-reported morbidity, are mostly unemployed and have negative body self-perception. In addition, the actions have included a negligible participation of men. This study guides the actions of the PAS hubs to be monitored and evaluated so that managers can understand how the proposed activities reverberate in relation to the users' profile, also enabling the comparability between different hubs of the program, favoring the development of strategies that present user adherence proposed activities.

Keywords: Health programs. Primary health care. Physical activity. Health promotion.

Introduction

In Brazil, the National Health Promotion Policy (NHPP) was an important milestone for the Unified Health System (SUS), to promote equity, improve conditions and ways of living, expand potential for individual and collective health and reduce vulnerabilities and health risks1. In this context, social, economic, political, cultural and environmental determinants are able to subsidize comprehensive care for users in the scope of Primary Health Care (PHC), which is fundamental for the protection and control of the risks of Chronic Non-Communicable Diseases (NCDs) in the population2.
Therefore, physical activity has incorporated the strategies of the NHPP, in order to offer physical activity and body practices such as walking, exercise prescription, recreational, sports and leisure practices, in the basic health system, aimed at the PHC scenario. The realization of long-term sustainable actions, dialogues with the needs of the population assisted and the deepening of cultural and demographic characteristics enhance the regular practice of physical activity in the community context.

Aiming at strengthening NHPP actions and expanding its scope of offer, the Academia da Saúde Program (ASP) was created in 2011 through Ordinance No. 719, in order to contribute to the promotion of the population’s health, aiming at the implantation of centers with infrastructure, equipment and qualified human resources to guide physical activity and body and leisure practices. It also aims to support actions to promote the health of the population through the use of a transversal and holistic basis. After its redefinition, the ASP becomes a strategic point in the Health Care Network (HCN), in order to strengthen SUS principles and guidelines such as universality, integrality and equity, establishing links and co-responsibility between the local community and services.

Regarding the operationalization of the program, physical activity groups in PHC have been constituted as spaces to encourage an active lifestyle, healthy eating habits, in addition to collaborating for body self-perception and the users’ health and disease process inhabitants in municipalities with wide coverage of PHC. Although body self-perception is a determinant for the use of health services there are still few studies involving middle-aged women compared to the elderly.

The social impact of ASP invariably goes through socioeconomic inequities, resulting in expressive participation by women, characterizing the profile of participants. Access to physical activity and free program promote the participation and adherence to ASP. Therefore, knowing the profile of the users of the Academia da Saúde Program is essential for us to have an idea of the scope of the actions proposed by the program, in addition to identifying what are the priorities for opening new groups that may not be being served by the pole.

Therefore, the objective of the study was to describe the characteristics of women attended in the pole of the Academia da Saúde Program in Sobral, Ceará.

Methods

Study design and location

This is a descriptive, cross-sectional study carried out in 2017, at a center of the Academia da Saúde Program, in Sobral, in the state of Ceará. The estimated population of inhabitants of the city is 214,875, being a reference for the provision of health services for the Northern Macro-region of Health. Its Human Development Index (0.714) attributes the 2nd place of high development in the ranking of the state, however below the national average which is 0.761. The Primary Health Care Network (PHC) has 98% coverage through the Family Health Strategy and is considered a reference in health in Brazil. The municipality has a single ASP pole with an expanded modality, managed by a physical education professional with an employment contract by appointment. Activities such as bodily practices and physical activities, health education, promotion of healthy eating, prevention of violence and a culture of peace, artistic and cultural practices are developed in this ASP pole.

Population and Sample

The study population was composed of all users participating in ASP activities in 2017. The final sample of the study was composed of users who agreed to participate in the study by
giving in to the data collected in the evaluations during the year. Of the 196 users who frequent the pole in 2017, 102 (52.4%) agreed to participate in the study, 32 (16.3%) refused to participate for not being available for evaluation, 45 (22.9%) did not attend ASP activities anymore and 17 (8.7%) had not yet carried out an integrated body assessment, not showing the possibility of composing the study. To define the sampling of this research, active participation in activities in the ASP was used as an inclusion criterion, at least twice a week. Then, the study proposal was disseminated through a printed poster and later the verbal invitation to participate. The study participants were approached at the end of their activities in the space and invited to answer a questionnaire with the presence of the resident physical education professional.

Data collect

To evaluate the study variables, the users' medical records were analyzed through the integrated body assessment form, which makes up the chart of activities offered by the ASP center in the city. The variables of age (years), skin color, marital status, occupational status were collected. Age was categorized into age groups (young adult - 18 to 39 years old; middle age - 40 to 59 years old; elderly - 60 years old or more). For skin color, the IBGE criteria were used for self-report of skin color in white, black, brown, yellow and indigenous\(^{11}\). For the analysis of skin color, it was grouped into white, black and brown. The civil situation was assessed using the question "what is your marital status?" and categorized in with partner; without a partner. To assess the current occupational situation, users were asked about their occupation at the moment, and the answers were categorized into retirees, unemployed, students, with formal employment, with informal employment. Formal employment was considered as those who had a working day in accordance with the Consolidations of Labor Laws and informal for those who do not have social protection and without labor rights\(^{11}\).

Variables

The body mass index was calculated from the measures of body mass (kg) and height (m) measured in the integrated body assessment. Afterwards, the nutritional status was categorized as “normal” BMI between 18.5 to 24.9; overweight - BMI between 25 and 29.9; obesity - BMI ≥ 30\(^{13}\). The presence of morbidities was self-reported and classified as (none; one; two; three or more morbidities). Use of medication (yes; no), use of alcohol (yes; no), use of tobacco (yes; no)\(^{14}\). Regarding body self-perception (positive; negative) collected through guiding questions present in the collection instrument. Stunkard's body image satisfaction scale, validated in Brazil, was used as a reference\(^{15}\).

All participants were volunteers and the study procedures were approved by the Research Ethics Committee of the State University Vale do Acaraú (opinion 1,893,360) and with the approval of the Scientific Committee of the Sobral Health Department.

Statistical analysis

For data analysis, initially, they were inserted in a spreadsheet in the Microsoft Excel 2016\(^{®}\) program and later, imported into the statistical software IBM SPSS\(^{®}\) version 23.0 to perform the analyzes. Descriptive statistics (mean, standard deviation, absolute and relative frequency) with 95% confidence interval (p < 0.05) were used for analysis and presentation of the study results.
Results

102 women participated in the study, between 18 and 81 years old, with an average age of 47.6 years (SD = 14.6 years). Table 1 shows the demographic and health characteristics of the sample. It was observed that most participants were between 40 and 59 years old (47.1%), white-skinned (56.9%), with a partner (66.7%), obese (39.2%), who reported having at least one morbidity (67.6%), who regularly use some medication (56.9%), who do not use alcohol (84.3%) and who do not smoke (94.1%).

Table 1. Sociodemographic characteristics and health conditions of users of the Academia da Saúde Program. Sobral, Ceará, 2017

<table>
<thead>
<tr>
<th>Variables</th>
<th>(n = 102)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
</tr>
<tr>
<td><strong>Age group (years)</strong></td>
<td></td>
</tr>
<tr>
<td>18 a 39</td>
<td>28</td>
</tr>
<tr>
<td>40 a 59</td>
<td>48</td>
</tr>
<tr>
<td>60 or more</td>
<td>26</td>
</tr>
<tr>
<td><strong>Skin color</strong></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>58</td>
</tr>
<tr>
<td>Brown</td>
<td>16</td>
</tr>
<tr>
<td>Black</td>
<td>28</td>
</tr>
<tr>
<td><strong>Marital status</strong></td>
<td></td>
</tr>
<tr>
<td>With a partner</td>
<td>68</td>
</tr>
<tr>
<td>Without a partner</td>
<td>34</td>
</tr>
<tr>
<td><strong>Nutritional status</strong>a</td>
<td></td>
</tr>
<tr>
<td>Eutrophic</td>
<td>24</td>
</tr>
<tr>
<td>Overweight</td>
<td>38</td>
</tr>
<tr>
<td>Obese</td>
<td>40</td>
</tr>
<tr>
<td><strong>Morbidities</strong>b</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>33</td>
</tr>
<tr>
<td>One</td>
<td>31</td>
</tr>
<tr>
<td>Two</td>
<td>29</td>
</tr>
<tr>
<td>Three or more</td>
<td>9</td>
</tr>
<tr>
<td><strong>Use of medicines</strong>c</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>44</td>
</tr>
<tr>
<td>Yes</td>
<td>58</td>
</tr>
<tr>
<td><strong>Use of alcohol</strong>d</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>86</td>
</tr>
<tr>
<td>Yes</td>
<td>16</td>
</tr>
<tr>
<td><strong>Use of Tobacco</strong>e</td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>96</td>
</tr>
<tr>
<td>Yes</td>
<td>6</td>
</tr>
</tbody>
</table>

Notes: a Based on the World Health Organization cutoff points. b Individuals who self-reported having one, two, three or more morbidities or who have none. c Individuals who answered “yes” when asked about the constant use of any medication. d Individuals who answered “yes” when asked about regular alcohol consumption (more than three days / week). e Individuals who answered “yes” when asked about tobacco consumption

Source: authors
In relation to the profile of pole users, it was observed that among the most reported morbidities, hypertension (46.1%), diabetes (35.3%) and obesity (40.2%) stand out - Figure 1.

![Figure 1. Self-reported morbidity profile of women users of the Academia da Saúde Program (n= 102). Sobral, Ceará, 2017](source: Authors)

In addition, it was observed that 60.8% of users reported a negative perception in relation to their body weight, 56.9% were dissatisfied with their body and 52.9% negatively perceived their health (Figure 2).

![Figure 2. Body satisfaction of women users of the Academia da Saúde Program (n = 102). Sobral, Ceará, 2017](source: Authors)
Finally, with regard to the occupation of study participants, most reported being unemployed (37.2%) or in informal employment (19.6%), while only 21.5% reported having formal employment (Figure 3).

**Figure 3.** Occupational profile of women users of the Academia da Saúde Program (n = 102). Sobral, Ceará, 2017

*Source:* Authors

**Discussion**

The results of the study show that the profile of users who frequent the pole of the Academia da Saúde Program in Sobral is made up of middle-aged, white women, who live with a partner, have some self-reported morbidity, are mostly unemployed and have negative body self-perception. These observations are important to identify the scope of ASP actions in the municipality, as this is the only pole in the region. It is generally observed that black / brown women, men and those in formal employment are not part of the scope of the analyzed ASP actions.

There was a predominance of women in the actions of the investigated pole. A study that investigated gender issues as an influence on the practice of physical activity showed that the proportion of men who work outside the home is higher than women and this affects the non-performance because these activities are offered during business hours. The participation of men at all levels of health care is lower compared to women, in addition to the lack of time, it is evident the lack of knowledge of the services offered, which are less encouraged to seek health care services including physical activity programs. Thus, it is understood that PHC managers and professionals should be trained to better understand the National Policy for Comprehensive Care for Men's Health and through the reorganization of work processes they can encourage actions to encourage the participation of men in physical activity programs or the creation of specific spaces for this public.
In this study, the black and brown population has a lower quantity compared to white. We emphasize that studies carried out in Brazil show the relationship between physical activity and the adult population of black and brown ethnicity, showing the lower prevalence of food consumption and regular physical activity in work activities. In a study that aimed to analyze the sociodemographic factors associated with the domains of physical activity for this population segment, discrimination and lack of security in the occupation of public spaces are still barriers to access physical leisure activities. Thus, it is important to emphasize that racial inequality presents itself as a social determinant, and a reason for raising awareness among health managers in implementing policies to promote physical activities that encompass all ethnic and racial groups.

It was observed that most women who attended the ASP self-reported some morbidity, with emphasis on hypertension, diabetes and obesity. This result corroborates with other studies that show that, in general, adults who seek physical activity programs are in their largest proportion those who have some morbidity, especially in search of the benefits of this practice in the prevention and / or treatment of this condition. According to data from VIGITEL, the frequency of medical diagnosis for hypertension and diabetes is higher in middle-aged and elderly women, with less education, when compared to men. The fact that the first assistance to users affected by these morbidities is mostly performed in Health Centers, reaffirming PHC as the ordering of care, can guarantee users the effectiveness of referring these people with morbidities to the activities carried out in the poles of the ASP, which can achieve results such as reducing the aggravation of their chronic conditions and complications to improve quality of life.

Another result of the study was that among the participants, 76.1% have no formal employment relationship. Income is preponderant in face of health inequities when linked to quality of life and demonstrates relevance for living conditions in cities. A study that compared the occupational situation between women and men showed that there is a greater tendency towards unemployment, lower quality occupations and informal employment by women. This study also states that women take on domestic work shifts making access to leisure difficult. Through the barrier of access to physical activity programs, changes in activity schedules and greater encouragement for social support in the neighborhood may show greater participation by this public in ASP activities.

The study also shows that most users have negative self-perception with their bodies. In a study that compared the body image of adult, middle-aged and elderly women practicing and not practicing water aerobics, it was seen that the groups showed a significant difference in the current and desired body image and that the systematic practice of physical activity can decrease the negative self-satisfaction of body image. These results reinforce the importance of involvement in physical activity programs to improve quality of life, change in body perception, self-esteem and social life.

The ASP presents a heterogeneity in its participating public and one of the challenges of the program is the systematization and operationalization of proposals considering the different aspects of its regulars. Thus, activities could be designed for different life cycles regardless of their health conditions through the provision of permanent education for professionals. By offering a systematic routine of physical activities, combined with spaces for health education, the ASP could become promising by promoting the co-responsibility of the user in his health-disease process and the reduction of problems related to the chronic health conditions installed. Regarding the execution of activities, maintenance and autonomy, municipal managers present barriers that compromise the continuity of actions. For its operationalization, material conditions, installations and equipment are necessary for the execution of the program's actions. Overcoming these barriers, it is possible to minimize
the difficulties of integration with other services, reinforcing comprehensiveness and increasing the offer of activities.\textsuperscript{30}

The analysis of the study results needs to consider some limitations. The absence of a measure of the participants' income is a limitation, as it is an important indicator for studies involving health programs due to the investigated causality between health and income variables. Furthermore, the absence of a multivariate analysis is also a limitation of the study due to the impossibility of analyzing aspects such as a multivariate data. The use of self-reported measures to identify morbidities may not reflect prevalences when diagnostic methods are employed. However, this method is widely used in epidemiological surveys.

The data analyzed are from only one pole and do not represent the implementation of actions in other locations in the country, however, the ASP investigated is in a PHC with 98% coverage, where it presents the importance of highlighting aspects of a physical activity program in a favorable PHC coverage context. Another point of emphasis refers to the importance of analyzing the scope of ASP actions so that they can be resized in view of local needs and the population's epidemiological profile.

Conclusion

It is suggested that the pole's actions be constantly evaluated so that managers can investigate the scope of the actions in relation to the users' profile and, thus, strengthen the implementation of the National Health Promotion Policy through the operationalization of the ASP.

References


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