Background: Postmenopausal problems in women are major issues in their health concerns where they are disturbed by several postmenopausal physical and mental health problems. Which are disrupts their quality of life and regular activities. These difficulties are more prevalent in low-income countries where knowledge is minimal in these issues. It makes significant problems. The study aims to find out discrepancies among the hilly and urban intensity of postmenopausal challenges.

Methods: In this study, self-administered questionnaires were used to get information about menopausal women in the urban and hilly areas. A total of 200 women’s general information, including social status, vasomotor and psychosomatic state was collected. All accumulated data were documented and analyzed in the IBM Statistical Package for Social Science (SPSS) version 26.0.

Results: A Pearson chi-square test was performed to examine the relationship between location and other variables, where the level of significance p<0.05. The result shows that, Emotional Sensitivity; p>0.000, Irritability; p>0.048, Trouble of Recalling Memories; p>0.032, Bone Pain; p>0.002, Numbness of Fingers; p>0.015, Frequent Urination; p>0.001, Leaky Bladder; p>0.010.

Conclusion: Significant differences of symptoms were observed in between women of Hilly and Urban area. These difficulties may hamper regular activities, so women should be aware of it and manage this situation smoothly and establish a quality lifestyle.

Key words: Menopause, Gynecological problems, psychosomatic state, Quality of life, Women’s health.
The present investigation aims to find out discrepancies among the hilly and urban intensity of postmenopausal challenges.

METHODS
The present cross-sectional study using self-administered questionnaires was conducted in July 2020 and completed in October 2020, where 200 women from the Khagrachhari hills tract and Chattogram district, as a hilly and urban area in the age group between 40-60 years, were selected through stratified random sampling. Data were collected using social and symptoms related questionnaires, including psychosomatic difficulties and secondary data collected from the journal articles and books. 07 samples were deducted from the total population; due to lack of data accuracy and privacy concern; finally, 193 individuals computed in Statistical Package for Social Science (SPSS) version 26.0 for data interpretation and analysis. A Pearson chi-square test was performed to examine the relationship between hilly and urban. The level of p-value considered value significance is \( p < 0.05 \).

RESULT
The total postmenopausal population reflected in this study where 96 represent their information from the hilly area, and 97 denote from urban areas. The table-1 elucidates the frequency, percentage, minimum, maximum, and means distribution of postmenopausal participants of the total population and sub-divided by hilly and urban groups of their age background. In the 45-<50 years age group are high at a frequency, which is 65.80 percent, mean 48.57. The notable data showed at the age of me Menarche, group 9-12 Years, which are hilly 8.33% and urban 34.02% and Age of Menopause recorded age group 50-<55 years are 1.04 at hilly and 7.22 at urban. Figure1 and Figure2 Shown the urban women are highly employed and literate than hilly.

The Pearson chi-square test was performed to examine the relationship between location and distribution of participants’ frequency and percentage according to their postmenopausal symptoms and discomfort in this table-2. It shows the percentage of the total population divided by hilly and urban respondents with the p-value (Level of significance \( p < 0.05 \)).

Despite the highest frequency and percentage found in the hilly and urban area at the variable hot flush. Also found 7 variables are statically significant, \( p \)-value are Emotional Sensitivity: \( p > 0.000 \); Trouble recalling memories: \( p > 0.032 \); Irritability: \( p > 0.048 \), Bone Pain: \( p > 0.002 \), Numbness of Fingers: \( p > 0.015 \); Frequent Urination: \( p > 0.001 \); Leaky Bladder: \( p > 0.010 \). The other variables are comparatively the same at the given table, and there is no significant relationship between these with the location.

The given line graph (Figure-3) illustrates significant data about Psychological Symptoms, Psychosomatic Symptoms, and Urinary Problem. The differences between frequency to frequency and percentage to percentage are shown with the \( p \)-value. The category Emotional Sensitivity, Irritability, and Trouble recalling memories are shown as Psychological Symptoms; Bone Pain, Numbness of Fingers are represented as psychosomatic symptoms. Urinary Problem denotes in the graph with two categories which are, Frequent Urination and Leaky Bladder. All the \( p \)-values are conferred by the level of significance \( p < 0.05 \).

DISCUSSION
Several factors cause various physical and psychological health complications in postmenopausal women, which hampers their quality lifestyle [13]. This study tries to uncover the symptoms in the hilly and urban populations. The outcome from the study obtained, some categories are high at hilly, and some are urban population such as emotional sensitivity, bone pain, Numbness of Fingers, Frequent Urination and
Leaky Bladder indicate high percentage at the hilly area, in contrast, Trouble of Recalling Memories, Irritability are mentioned high at the urban result. These two problems are more prevalent in urban populations [7]. Hot flash was noted at almost four-third; comparatively, one of the Indian studies has shown similar according to the data obtained from their respondents and percentages nearby to our findings reported more percentage found in the category of poor health [8]. These categories are less common in the classification of world data [9]. Estrogen-based hormone therapy is most suitable for hot flashes and night sweats but with several side-effects.

Whatever, Hot flashes and night sweats reduces by supporting non-hormonal treatment, including medications such as antidepressants, nerve pain, and high blood pressure medications. Stress reduction methods may also be used, such as meditation and mindfulness [25].

Anxiety is a common mental state that most postmenopausal women experience. Every woman experiences it differently, which a health care provider can identify, and a completely different treatment plan can be made for each [32]. There are several studies on the relationship between anxiety and menopause; however, according to Bryant, C., Judd, F. K., & Hickey, M, it is relatively inadequate [31]. In the result section, anxiety expresses just under half at hilly and almost nearly in urban. Similar data found by K, Shilpa & Ugargol, Amit. Which is just over a half in both urban and rural areas. Sharma, S., &Mahajan, N. indicate their study result with a significant proportion in both places and the current study's contrast [18]. Eastern Indian study by Dasgupta, Doyel & Ray, Subha, shown similar results with the current research, but slightly high with the urban population [27] other findings from the north-western study by Sharma S, Tandon V, Mahajan, the results completely different[17]. Different articles by Mahajan, N., Aggarwal, M., & Bagga, A. presents a minority percentage found in the category of poor concentration [23]. Heart palpitations usually increase with the onset of anxiety [33]. Heart palpitations reported by K, Shilpa&Ugargol, Amit, were almost the same as this study, we also found double in this category at the study conducted by Dasgupta, Doyel & Ray, Subha. In the eastern Indian part [7, 27]. Emotional Sensitivity and self-esteem are individuals' mental state related to emotions, knowledge, lifestyle, and behavior [29]. These categories are less common in the menopausal related study in the subcontinent. The current study indicates that emotional sensitivity is almost triple in the hilly area than in urban, and both categories show one-fifth of total respondents. As we compared with self-esteem, it describes high at urban than hilly.

Table-1: Age distribution of Respondents

<table>
<thead>
<tr>
<th>Age</th>
<th>Total Population, n 200</th>
<th>Hilly, n96</th>
<th>Urban, n97</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fre. (%)</td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>40-&lt;45</td>
<td>4</td>
<td>2.07</td>
<td>42</td>
</tr>
<tr>
<td>45-&lt;50</td>
<td>127</td>
<td>65.80</td>
<td>68</td>
</tr>
<tr>
<td>50-&lt;55</td>
<td>58</td>
<td>30.05</td>
<td>-</td>
</tr>
<tr>
<td>55-&lt;60</td>
<td>4</td>
<td>2.07</td>
<td>-</td>
</tr>
</tbody>
</table>

Age of Menarche

<table>
<thead>
<tr>
<th>Age</th>
<th>Fre. (%)</th>
<th>Min</th>
<th>Max</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-12</td>
<td>41</td>
<td>21.24</td>
<td>11</td>
<td>16</td>
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<tr>
<td>13-15</td>
<td>150</td>
<td>77.72</td>
<td>86</td>
<td>89.58</td>
</tr>
<tr>
<td>&gt;15</td>
<td>2</td>
<td>1.04</td>
<td>2</td>
<td>2.08</td>
</tr>
</tbody>
</table>

Age of Menopause

<table>
<thead>
<tr>
<th>Age</th>
<th>Fre. (%)</th>
<th>Min</th>
<th>Max</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>40-&lt;45</td>
<td>16</td>
<td>8.29</td>
<td>9</td>
<td>9.38</td>
</tr>
<tr>
<td>45-&lt;50</td>
<td>169</td>
<td>87.56</td>
<td>86</td>
<td>89.58</td>
</tr>
<tr>
<td>50-&lt;55</td>
<td>8</td>
<td>4.15</td>
<td>1</td>
<td>1.04</td>
</tr>
</tbody>
</table>
Sleep disorders are most common in menopausal women, with many causes; vasomotor symptoms and hormonal label changes are the main culprits—a study Freedman, R. R., & Roehrs, T. A. Say half of the main population of menopausal people have sleep apnea, as sleep disorder mentioned in Sharma, S., & Mahajan, N. is equivalent to this study, but another one by Ahmed, Sultana. In the Northeast part of India, their respondents were below half-percent, and from a Different study by Mahajan, N., Aggarwal, M., & Bagga, A. affirmed that was less than the previous study [34, 18, 22, 23]. Holly L. Thacker, MD; express that declining estrogen levels from either menopause can affect brain function and cause these momentary recall failures [36]. The trouble of recalling memory we found a significant proportion of a large majority at urban people is statistically significant.A comparative study on postmenopausal symptoms in rural and urban women by K. Shilpa&Ugargol, Amit. roll out the same percentage with us except one-fifth at rural whereas, menopausal symptoms in urban women by Sharma S, Tandon V, Mahajan A. told in a study it is almost half than the current study [7, 17]. Most of menopausal women suffer joint pain after menopause. Menopause plays an important role in muscle and joint function, known as musculoskeletal health presentation with Osteoarthritis, osteoporosis and Sarcopenia, stimulated by estrogen insufficiency [37, 38]. Study shown that very large majority are suffering muscle and joint-related difficulties where hilly and urban population reveals almost similar percentages. K. Shilpa & Ugargol, Amit. and Sharma, S., & Mahajan, N. ’s study indicates the imminent percentages but A Study to Assess the Psychosomatic Problems of Postmenopausal Women in Slums of Dibrugarh Town, Assam by Ahmed, Sultana. Represents just up to a half [18, 7, 22].

Multiple studies have explained that women who go through post-menopausal transitions are more prone to dizziness. This is associated with various physical and psychological factors [39] in this study, dizziness reported almost two-thirds of the total population and the same percentage found in urban and hilly areas. Dasgupta, Doyel & Ray, Subba denotes in their study nearly percentages as our study but another study by Ledésert, B., Ringa, V., & Bréart, G. Represent one-fourth of the total respondent [27, 5]. A study on menopausal status classified headaches category among women aged 40-54 who regularly visited the Headache Clinic [40]. We found nearly a half at the subject population, but it has a few high percentages at the hilly area. Shakhatreh, F. M., & Mas’ad, D. manifested data in their study, which concerns almost the same percentages compared to the current study whereas, Ledésert, B., Ringa, V., & Bréart, G. and K, Shilpa & Ugargol, Amit. shown one-third of the total population in their result. And Menopausal Problems among Rural and Urban Women from Eastern India by Dasgupta, Doyel & Ray, Subba.represent almost two-thirds of the rural population [24, 5, 7, 27]. According to Johns Hopkins Medicine, Psychological and emotional symptoms of irritability are linked to the deficiency of estrogen production. According to Johns Hopkins Medicine,
Psychological and emotional symptoms of irritability linked to the deficiency of estrogen production. Some of the studies K, Shilpa & Ugargol, Amit, Ahmed, Sultana and Mahajan, N., Aggarwal, M., & Bagga, A are shown related result at irritability with current findings. Whereas another separate study by Sharma, S., & Mahajan, N. and Dasgupta, Doyel & Ray, Subha presented different results, which are a vast majority of the population denotes with symptoms irritability [7, 22, 23, 18, 27].Investigation identifies the formation, or skin crewsles denotes one-fifth of the total population and a similar study- title: Menopausal symptoms in urban women by Sharma S, Tandon V, Mahajan A., but according to toa north Indian study ‘Health issues of menopausal women in North India’ by Mahajan, N., Aggarwal, M., & Bagga, A. found one in ten at their total hilly population [17, 23]. Breast pain, tenderness, heaviness, tightness considered as medical term Mastalgia. Most of the women face this at the age of 15 to 40. The study said nearly two-thirds of women experience Mastalgiaat their reproductive time and also seeking medical assistance. The cyclic Mastalgiais connected with the women's menstrual cycle. Ledésert, B., Ringa, V., & Bréart, G.'s result match with this study; it is almost one-fourth of the entire participants and Dasgupta, Doyel & Ray, Subha represent just a little high of one-fourth [41, 5, 27].Urinary problem is a significant concern of postmenopausal women that influence more than half of the total population. The result of this study identifies almost the same case. Whereas one study said it is one-third of the total study's population [5, 7, 42].

CONCLUSION

This study observed a prevalence of multiple postmenopausal physical and mental problems in women, which are seen differently between Urban and Hilly, where Hilly women experience more problems than Urban. In most cases, these problems remain uncovered. It is essential to build knowledge and awareness among women where these problems can immediately recognize and demand appropriate care, which can be counseling, hormonal therapy, symptomatic medication or meditation.

REFERENCES


