Assessment of early hypertension in adults at primary health care center in al Hilla city

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Abstract---Background Hypertension represents a serious problem of public health importance with significant morbidity and mortality in the early detection of unknown hypertension patients in health care centers. The study objective these goals of the report is to assess the early Hypertension in adults. Determined the demographic relationship between early Hypertension detection and the data. Design Study: descriptive retrospective study is done on health care centers. Conducted the study on early Hypertension assessment in adults in Al Hilla City from November 10th, 2021, to February 10th, 2022. The instrument of the questionnaire is a five-part test used to assess early Hypertension in people. It includes demographic information, lifestyle, patient history, medical history, and body mass index. Results 340 individuals between the ages of 20 and 29 actively participated in the screening program, with 78.8% (268 of 340) being a lady and 21.1% (72 of 340) being a man. Most of the of participants (57.0%, or 194 out of 340) had acquired a primary education, and the majority were homemakers. 72.9 percent (248 of 340) of the patients were nonsmokers, with nonsmokers accounting for 292 of 340 participants (85.8%) and smokers accounting for 48 of 340 participants (14.1%). Conclusion The most prominent findings were that most hypertension clients were female, ranging from 25 to 29 years. Lifestyle was found not to affect Hypertension, and numerical analysis also revealed no relationship between the participants’ Body Max Index and blood pressure. The study recommended: Recommended that the community must be oriented program to support a family with socioeconomic status like nongovernmental organization and provide proper wellbeing care, train the required staff in health care, ensure the distribution of high-quality pharmaceuticals reliably, integrate high blood pressure treatment with primary care techniques and services, enable peoples to make substantial variations in their behavior Health then lifestyle.

Keywords---hypertension, primary health care, adults.
Introduction

Hypertension is a significant variable danger component for cardiac death. It is too a wellbeing around the world, and many countries affect nearly 20% of the grownup people. High blood pressure is responsible for all 20% of cardiac, most of them, and social security expenses increased (Dyal, 2016). Hypertension is its own medical substance. It is noisy that it is asymptotically potential amid the clinical course. For such an asymptomatic appearance, it is a huge slippage of the form as a board structure compartment as a result of the "silent killer" (Shaffi, 2016) Any of the life-changing structures is the usual practice. Thus, any of the significant proposals is to increase the prevalence of straight serious bodily activity by 10% to 150 minutes per week for people over the age of 18. (Magobe et al., 2017). The evaluated commonness of Hypertension among the total grownup populace was 26.4% (972 million) in 2000, with an expected pervasiveness of 29.2% (1.5 billion) in 2025. Accordingly, it is becoming a worldwide general wellbeing risk, devouring an expansive level of general wellbeing consumption. Even though its pervasiveness fluctuates among nations, it is expanding in developing countries (Gebrezgi et al., 2017). Research has demonstrated that growing nations have the biggest number of individuals with high blood pressure and experience the ill effects of the developing load of chronic illnesses like high blood pressure (Paquissi et al., 2016).

Silent high blood pressure was elevated in Iraq. The non-compliance food was free of salt was high in the two gatherings; non-possession of medication was significantly greater in clients with myocardial infarction (Hasan et al., 2011). Non-transmittable sicknesses now represent the biggest infection danger to Iraq's populace. Consequences of the 2006 WHO Stepwise way to deal with ceaseless infection hazard factor review of 4800 families demonstrated that 42% of males smoke and that 67% of adults have a body-mass index of more than 25.44. 40-4% of those overviewed had both systolic and diastolic Hypertension (Al Hilfi et al., 2013). In Erbil, the greater part of the hypertensive patients was not subject to surveillance. The variables related to uncontrolled Hypertension were smoking, absence of activity, and abnormality of treatment (Khidder et al., 2013).

The predominance of Hypertension in Nasiriya city was high. However, it was equivalent to that among numerous neighboring nations. It was expanded with age in the two men and ladies. A considerable total of subjects with high blood pressure were ignorant of their state. More than one-fourth of clients of hypertensive 160/570 (28.1%) were unrecognized, and the unrecognized hypertensive patients were, for the most part, men (Al-Ghuzi et al., 2014). Hypertension is considered as the 6th driving reason for death in Iraq. Where its prevalence varies from 35.6% to 40%. The total number of deaths during the year 2015 case was 6535 (Sadeq et al., 2017). Hypertension is a significant hazard factor influencing a huge segment of Arab individuals, making them powerless against coronary vascular illnesses, renal ailments, and cerebrovascular ailments. The discoveries show a greater predominance of Hypertension in Arabian nations contrasted with sub-Saharan Africa and the USA. Also, the audit showed that Hypertension is other pervasive between ladies, overweight contributors, and older people, and that Hypertension awareness is absent (Tailakh et al., 2014).
The predominance of Hypertension in an agent test of youthful men Asian South workers living in the UAE (United Arab Emirates) was moderately elevated. Notwithstanding, handling, monitoring and the consciousness of high blood pressure inside this populace were little. Techniques are direly expected to enhance control and the consciousness of high blood pressure in this expansive populace of transient laborers in the UAE (Shah et al., 2015). In Iran, an organized analysis of the study originate that the estimated overall predominance of high blood pressure in the populace aged 30-55 and over 55 was about 23% and a half separately. This prevalence is not as high in men as in women, and as the average age of an individual increase each year, the prevalence increases by about 0.5% (Cheraghian et al., 2014). To the World Health Organization (WHO), around 17 million deaths happen global because of CVDs, of which high blood pressure and its inconveniences represent an expected 9.4 million deaths, and a significant segment of CVDs-associated deaths (80%) happened in the growing countries (Ali et al., 2018). people in lower-income nations are younger than those in lower-income nations and often die of cardiovascular disease (CVD) at their peak. LMIC CVD has significant economic implications at both the family and macroeconomic levels due to the catastrophic use of medical services and the loss of wage and labor profitability. Rosendaal et al., 2016). Hypertension is one of the five main reasons for the mortality rate on the planet. It is one of the significant risk factors associated with more than 40% of the passage of cardiovascular disease and kidney disease. (Nahimana et al., 2018).

Methodology

This part describes the procedures and materials used in this research, including, study design, study samples, instrument changes, data collection methods, study reliability, and data analysis. I will explain.

Design Study

Health care centers approve descriptive retrospective research paper. The research paper assesses the early detection of Hypertension among adults at primary health care centers from November 15th to December 18th, 2021.

Ethical consideration:

Ethical approval was obtained from the Ministry of Planning's Central Statistical Council to adopt draft research equipment. Approval was obtained from the Babylonian Health Department Training and Development Center. The primary health care center administrator was informed about the relevance and reason of the research paper. The reason for the research paper was clarified to the officers of the Hypertension screening program, and written knowledgeable consent was attained from to each.

The Study samples

Non-probability "purposive" (340) client sample with Hypertension was selected out early Detection of Hypertension part of chief health care centers in Al-Hilla
city for the current research paper, which has promoted primary Health Services (Table 1).

Table 1. Primary Health Care Center Research Sample Distribution Al Hilla City

<table>
<thead>
<tr>
<th>Sectors</th>
<th>Centers</th>
<th>NO.</th>
<th>patient with Hypertension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al-Hilla / First</td>
<td>Al Asatetha</td>
<td>1</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Al Mohandissen</td>
<td>1</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Al-Imam</td>
<td>1</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Shaheed Al –Islam</td>
<td>1</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>the qodos</td>
<td>1</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>10</td>
<td>340</td>
</tr>
</tbody>
</table>

NO: number

**Study instrument**

A standard questionnaire was utilized to acquire data constructed by the Ministry of Health, Public Health Department Division, diseases non-communicable. The researcher makes a few variations for the reason of the study. It consists of 5 parts:

Parts 1: demographic data of the sample include age, gender, educational status, and occupational status.

Parts 2: lifestyle includes Smoking, Physical activity during working, physical activity during traveling, physical activity during rest, nourishment (kind of the oil used in the diet), and nutrition (number of vegetables and meals of fruits).

Parts 3: Patient history of the sample include Hypertension, heart disease ischemic, Diabetes mellitus, high cholesterol, and cerebrovascular disease.

Parts 4: Medical history of the sample includes the number of medicines used by the client during the year, month, and day.

Parts 5: Body max index includes height, weight, Weight (kg)/height (m)²

**Methods of data collection**

Data from her hypertension patient records were collected at the Primary Health Care Center as part of a hypertension screening program from November 15th to December 18th, 2021, after procurement consent from the primary health care department. From 2017 to 2020, the average time each medical center gathered information ranged from a few hours to four clocks, depending on the number of patient records at each medical center.
Validity of the questionnaire

Validity is how much an instrument measures what it should quantify (Polit and Hungler, 2007). It is an important criterion for assessing the methods of measuring variables to mind the end goal to test the poll’s validity; the instrument is exhibited to board (14) specialists for this reason (Appendix D). The experts commented on the questionnaire; at that point, the last draft is prepared to be administrated.

Data Analysis Statistical

Information from current studies has been decomposed using the Social Sciences Statistics Package (SPSS) version 23. Use the following statistical data analysis approaches to analyze and evaluate your findings.

Data Analysis Descriptive:

This approach was carried out by making a decision

a. Percentage and Frequency

\[
\text{percentage} \% = \frac{\text{Frequencies (F)}}{\text{Size of sample}} \times (100)
\]

b. Regression

- a statistical process for estimating the relationships among variables.

c. Analysis of Variance (ANOVA)

Single Test for Multiple Comparisons The advantage of using ANOVA for multiple tests is that ANOVA uses a single test to detect if the two-group means are significantly different.

Results and Discussion

The results of this research paper show that the typical hypertension study clients are in the stage unit (25-29). This outcome is nearly the same as the result of Kini et al. (2016) South India; the results show that the common of the matters studied were (25-30) years old. Extra research paper by Yan et al. (2015) Zambia, In rural, the occurrence of age-standardized Hypertension is in height, with extra than a quarter of grown person over the age of 25. By gender, most of the survey samples (78.8%) were female and male (21.1%). Like to the results of earlier studies by Kayima et al. (2015), Studies and results in Africa, the capital of Uganda. The common of contributors (69%) were women. Extra study Nyuyki et al. (2017) Studies in the eastern part of Cameroon and the Adamawa region were conducted primarily by women (68.2%). As for the educational background, as a result of this survey, most of the survey subjects (57.6%) are elementary school students, and this result is A survey by Dyal (2016) South America Guyana covers the common. Another study, Joshi et al., had less than primary education (67%) of the participants studied. (2014) Kibera’s urban slums in Nairobi have a high literacy rate (87%) and are eligible for primary or secondary education, while Tabi Arrey (2016) shows that 35.9% had primary education. In terms of professional status, the majority of the samples (73.2%) are homemakers and
Awoke et al. (2012). In the city of Gondar, Addis Ababa, northwest of the capital of Ethiopia, the majority (35.3%) of the samples were housewives. This is an expected result given the nature of Iraqi society, where most housewives are unemployed.

Table 1. The study samples the distribution through their demographical data

<table>
<thead>
<tr>
<th>No.</th>
<th>Characteristics</th>
<th>frequency(F)</th>
<th>percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>age(years)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>20-24</td>
<td>124</td>
<td>36.5</td>
</tr>
<tr>
<td>2</td>
<td>25-29</td>
<td>216</td>
<td>63.5</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>2</td>
<td>Gender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Female</td>
<td>268</td>
<td>78.8</td>
</tr>
<tr>
<td>2</td>
<td>Male</td>
<td>72</td>
<td>21.1</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>3</td>
<td>educational status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>No write and read</td>
<td>16</td>
<td>4.7</td>
</tr>
<tr>
<td>2</td>
<td>Write and read</td>
<td>6</td>
<td>1.8</td>
</tr>
<tr>
<td>3</td>
<td>Primary</td>
<td>194</td>
<td>57.0</td>
</tr>
<tr>
<td>4</td>
<td>Intermediate</td>
<td>70</td>
<td>20.5</td>
</tr>
<tr>
<td>5</td>
<td>secondary</td>
<td>38</td>
<td>11.1</td>
</tr>
<tr>
<td>6</td>
<td>Diploma /collage</td>
<td>16</td>
<td>4.7</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>4</td>
<td>Occupational status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>government Employee</td>
<td>10</td>
<td>2.9</td>
</tr>
<tr>
<td>2</td>
<td>Private Sector</td>
<td>8</td>
<td>2.3</td>
</tr>
<tr>
<td>3</td>
<td>owner benefit</td>
<td>15</td>
<td>4.4</td>
</tr>
<tr>
<td>4</td>
<td>Daily worker</td>
<td>40</td>
<td>11.7</td>
</tr>
<tr>
<td>5</td>
<td>Student free</td>
<td>16</td>
<td>4.7</td>
</tr>
<tr>
<td>6</td>
<td>House wife</td>
<td>248</td>
<td>72.9</td>
</tr>
<tr>
<td>7</td>
<td>unemployed</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
</tbody>
</table>

The participant characteristics table is displayed. Three hundred forty subjects aged 20–29 years contributed to the screening program. 78.8% (268 out of 340) were a lady, and 21.1% (72 out of 340) were men. The common contributors in primary education were 57.0% (194 out of 340), and the greatest were homemakers, 72.9% (248 out of 340).

**Lifestyle data of the study sample**

The main findings of this research paper displayed that the common study samples were nonsmokers, as most of the contributors were women. This is a probable result given the nature of Iraqi society, where most women do not smoke. This result is reinforced by Abd Al Badri et al. (2017). In an Iraqi stage study, Iraq (2015) showed that 2 in 10 adults in Iraq are currently smokers, and the majority (95%) of these are daily smokers. Rice field. The current preponderance of smoke was 38% for men and 1.9% for women. Concerning
physical activity, the results of this research paper display that most of the study samples show intermediate results. This result is supported by Magobe et al., as most participants were women and housewives. (2017) In Soweto's South African metropolitan area, the inability to participate in normal exercise causes uncontrolled blood pressure and cardiovascular complications due to high blood pressure. Educate, encourage, and involve clients with significant information, skills, and abilities to promote their individual usual physical activity, with the ultimate goal of improving the essence of their own wellbeing. To do more, we need to do more.

Concerning diet (kind of oil used in the diet) and (numeral of fruit and vegetable diets), this study shows that, like most dishes, most of the study samples are routinely composed of vegetable oils. The oil used in Iraq was a vegetarian. This result is reinforced by Angaw et al. (2015) Ethiopia; in Addis Ababa, the common of respondents, Portion 582 (93.6%), ate fruit 13 days a week, 501 (80.2%) showed vegetable consumption more than 13 times a week, Alsayyad et al. Research. (2009) In the Kingdom of Bahrain, respondents consumed more daily vegetables than fruits (62.9% and 49.6% individually).

Table 2. Their lifestyle data distributed in the study sample

<table>
<thead>
<tr>
<th>No.</th>
<th>Characteristics</th>
<th>frequency(F)</th>
<th>percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Smoking.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>No</td>
<td>290</td>
<td>85.2</td>
</tr>
<tr>
<td>2</td>
<td>Yes</td>
<td>50</td>
<td>14.7</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>2</td>
<td>how many cigarettes per day?</td>
<td>frequency(F)</td>
<td>percent (%)</td>
</tr>
<tr>
<td>1</td>
<td>no Smoking</td>
<td>292</td>
<td>85.2</td>
</tr>
<tr>
<td>2</td>
<td>Less one Packet/day</td>
<td>30</td>
<td>8.8</td>
</tr>
<tr>
<td>3</td>
<td>One Packet/day</td>
<td>12</td>
<td>3.5</td>
</tr>
<tr>
<td>4</td>
<td>More than one Packet/day</td>
<td>8</td>
<td>2.3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>3</td>
<td>Physical activity during working</td>
<td>frequency(F)</td>
<td>percent (%)</td>
</tr>
<tr>
<td>1</td>
<td>Hard</td>
<td>74</td>
<td>21.7</td>
</tr>
<tr>
<td>2</td>
<td>Medium</td>
<td>241</td>
<td>70.8</td>
</tr>
<tr>
<td>3</td>
<td>Little</td>
<td>25</td>
<td>7.3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>4</td>
<td>Physical activity during rest.</td>
<td>frequency(F)</td>
<td>percent (%)</td>
</tr>
<tr>
<td>1</td>
<td>Hard</td>
<td>190</td>
<td>55.8</td>
</tr>
<tr>
<td>2</td>
<td>Medium</td>
<td>103</td>
<td>30.2</td>
</tr>
<tr>
<td>3</td>
<td>Little</td>
<td>47</td>
<td>13.8</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>5</td>
<td>nutrition type of the oil using in the food</td>
<td>frequency(F)</td>
<td>percent (%)</td>
</tr>
<tr>
<td>1</td>
<td>vegetable oil</td>
<td>330</td>
<td>97.0</td>
</tr>
<tr>
<td>2</td>
<td>vegetable margarine</td>
<td>10</td>
<td>2.9</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>6</td>
<td>nutrition number of meals of fruits and vegetables</td>
<td>frequency(F)</td>
<td>percent (%)</td>
</tr>
<tr>
<td>1</td>
<td>Daily</td>
<td>301</td>
<td>88.5</td>
</tr>
</tbody>
</table>
Table displays the behavioral data of study contributors. Greatest clients were nonsmokers, 290 of the 340 percent (85.2%) of contributors, and clients who smoked cigarettes per day. The highest ratio of contributors during the rest period was difficult (55.8%), and most participants used the percentage of dietary vegetable oil (97.0%).

**Sample study distribution thorough patient history**

The current study has a client's medical history. Studies of the findings show that the common of the research paper samples (79.7%) suffer from high blood pressure, which is reinforced by Ranasinghe et al. (2015). In Sri Lanka, it exists in (48.0%) of hypertensive clients. Regarding to own circle of relative's fitness records, the locating examine suggests that the majority of the exam pattern became have high blood pressure; this end result agreed with the end result suggested by Baek et al. (2015) withinside the Korean Genome, an own great circle of relative's records of high blood pressure became better in women. Another examination World Health Organization 2013; In a few cases, there may be no recognized unique motive for high blood pressure. Hereditary additives might also additionally expect part. While high blood pressure creates in people below the age of forty years, it's far crucial to exclude a secondary causes, for example, kidney illness, endocrine sickness, and distortions of veins.

Table 3. Their patient history distributed to the study sample

<table>
<thead>
<tr>
<th>NO.</th>
<th>Characteristics</th>
<th>frequency(F)</th>
<th>percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Clients’ health history</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>No history</td>
<td>16</td>
<td>4.7</td>
</tr>
<tr>
<td>2</td>
<td>hypertension</td>
<td>271</td>
<td>79.7</td>
</tr>
<tr>
<td>3</td>
<td>ischemic heart disease</td>
<td>21</td>
<td>6.1</td>
</tr>
<tr>
<td>4</td>
<td>diabetes mellitus</td>
<td>10</td>
<td>2.9</td>
</tr>
<tr>
<td>5</td>
<td>cerebrovascular disease</td>
<td>11</td>
<td>3.2</td>
</tr>
<tr>
<td>6</td>
<td>high cholesterol</td>
<td>11</td>
<td>3.2</td>
</tr>
<tr>
<td></td>
<td>total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>2</td>
<td>Family health history</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>no History</td>
<td>66</td>
<td>19.4</td>
</tr>
<tr>
<td>2</td>
<td>hypertension</td>
<td>211</td>
<td>62.0</td>
</tr>
<tr>
<td>3</td>
<td>ischemic heart disease</td>
<td>12</td>
<td>3.5</td>
</tr>
<tr>
<td>4</td>
<td>diabetes mellitus</td>
<td>11</td>
<td>3.2</td>
</tr>
<tr>
<td>5</td>
<td>cerebrovascular disease</td>
<td>16</td>
<td>4.7</td>
</tr>
<tr>
<td>6</td>
<td>high cholesterol</td>
<td>24</td>
<td>7.0</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>340</td>
<td>100.0</td>
</tr>
<tr>
<td>3</td>
<td>Are You Under treatment?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>no</td>
<td>180</td>
<td>52.9</td>
</tr>
<tr>
<td>2</td>
<td>yes</td>
<td>160</td>
<td>47.0</td>
</tr>
<tr>
<td></td>
<td>total</td>
<td>340</td>
<td>100.0</td>
</tr>
</tbody>
</table>
Table shows the medical history of the research paper participants. The proportion of high blood pressure in the client's medical history is highest (79.7%), and the proportion of family history and participants' high blood pressure (62.0%) is untreated (52.9%) and treated (47.0%).

**Body max index of the study sample**

This study showed BMI the finding that the study majority of the sample was in the normal Range; this result agreed with the result reported by Atinyi et al. (2017) in Keta Municipality of Ghana, which showed BMI the finding that the majority of the study sample was normal Range, another study Fikadu et al. (2016) in Addis Ababa, Ethiopia. The majority of the contributors had a normal Body Max Index.

<table>
<thead>
<tr>
<th>NO.</th>
<th>Characteristics</th>
<th>Frequency(F)</th>
<th>Percent (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BMI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Underweight</td>
<td>51</td>
<td>15.0</td>
</tr>
<tr>
<td>2</td>
<td>Normal Range</td>
<td>171</td>
<td>50.3</td>
</tr>
<tr>
<td>3</td>
<td>Overweight—At Risk</td>
<td>77</td>
<td>22.6</td>
</tr>
<tr>
<td>4</td>
<td>Overweight—Moderately Obese</td>
<td>38</td>
<td>11.2</td>
</tr>
<tr>
<td>5</td>
<td>Overweight—Severely Obese</td>
<td>3</td>
<td>.9</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>340</td>
<td>100.0</td>
</tr>
</tbody>
</table>

The table shows the max body index of the study participants. Showed that the percentage of participants, was mostly within the normal Range (50.3%).

**Table 5. Shows the Unstandardized and Standardized Coefficients**

<table>
<thead>
<tr>
<th>Coefficients'</th>
<th>Unstandardized Coefficients</th>
<th>Standardized Coefficients</th>
<th>t</th>
<th>Sig.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Constant)</td>
<td>25.749</td>
<td></td>
<td>16.908</td>
<td>.000</td>
</tr>
<tr>
<td>Weight</td>
<td>-.006-</td>
<td>-.008</td>
<td>-.042-</td>
<td>-.765-</td>
</tr>
</tbody>
</table>

**Total Variance Explained**

<table>
<thead>
<tr>
<th>Component</th>
<th>Initial Eigen values</th>
<th>Extraction Sums of Squared Loadings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>% of Variance</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>% of Variance</td>
</tr>
<tr>
<td>Age</td>
<td>1.251</td>
<td>41.688</td>
</tr>
<tr>
<td>Weight</td>
<td>.946</td>
<td>31.527</td>
</tr>
<tr>
<td>Height</td>
<td>.804</td>
<td>26.785</td>
</tr>
</tbody>
</table>

Extraction Method: Principal Component Analysis.
Table 6. Shows Model Summary Regression and A NOVA

<table>
<thead>
<tr>
<th>REGRESSION</th>
<th>Model Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>R</td>
</tr>
<tr>
<td>1</td>
<td>0.122a</td>
</tr>
<tr>
<td>a. Predictors: (Constant), Height, Weight</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANOVAa</th>
<th>Model</th>
<th>Sum of Squares</th>
<th>df</th>
<th>Mean Square</th>
<th>F</th>
<th>Sig.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Regression</td>
<td>25.070</td>
<td>2</td>
<td>12.535</td>
<td>2.533</td>
<td>.081b</td>
</tr>
<tr>
<td></td>
<td>Residual</td>
<td>1667.682</td>
<td>337</td>
<td>4.949</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1692.753</td>
<td>339</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. Dependent Variable: Age</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Predictors: (Constant), Height, Weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The statistical differences between age and height, and weight as a risks factors regarding Hypertension in the study show that height and weight in the normal Range is an indication that it is not related to high blood compression in this study and this is an indication of the presence of other factors that affect high blood pressure such as Socioeconomic. Cois, (2014) supports this result. In South Africa, socioeconomic status in the predominance of Hypertension has for quite some time been seen in high-pay nations, where sound epidemiological proof partners higher socioeconomic status (SES) with a lower commonness of Hypertension and cardiovascular ailment, an affiliation that is steady over an of indicators of social position, family history, this result is supported by Ranasinghe et al. (2015) in Sri Lankan, family history is an imperative non-modifiable hazard component for high blood pressure. The inherited idea of high blood pressure is entrenched by various Family research papers, showing the blood compression relationship between kin and fathers and kids (Suryasa et al., 2021).

Conclusions

1. Most Hypertensive Patients Were Female, And Their Ages Ranged From (25-29) Years.
2. Early Detection Evaluation Of Hypertension In The Analysis Database Of The Hypertension Patient Detection Program.
3. Lifestyle Data Between Smoking And Hypertension Were Found To Have No Effect.
4. The Patient’s Medical History Showed The Affected Family And Patient’s Medical History And Hypertension.
5. Statistical Analysis Of Body Mass Index Also Shows A Negative Connotation Among Contributors' Bmi And Blood Pressure.

References


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https://doi.org/10.53730/ijhs.v5n2.2937