

## **Impact of Lockdown on Domestic Violence with Special Reference to Amravati City**

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### **Abstract:-**

In an endeavor to restrain the spread of COVID- 19 and diminish the loss of life, Indian Government has forced their version of mandatory self-isolation through implementing lockdown regulations. Unfortunately, restricting people's mobility and depriving them of what matters most might intensify the pessimistic impact on mental health.

During the first four phases of the COVID- 19 related lockdown, Indian women filed more domestic violence complaints than recorded in a similar period in the last 10 years.

Mental Health, defined by the world Health Organization, is "a state of well-being in which the individual realizes his or her own abilities, can cope with the normal stresses of life, can work productively and fruitfully, and is able to make a contribution to his or her community."

**Keywords:** - COVID- 19, Domestic violence, Mental Health, Lockdown.

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### **I. INTRODUCTION:-**

In an endeavor to restrain the spread of COVID- 19 and diminish the loss of life, Indian Government has forced their version of mandatory self-isolation through implementing lockdown regulations. Unfortunately, restricting people's mobility and depriving them of what matters most might intensify the pessimistic impact on mental health.

The results of this research gives policymakers the essential information to take action in decreasing domestic violence cases in Amravati City in Maharashtra state and set the scene for increase happiness level, social and political well being. It also allows them to mirror good mental health outcomes due to their policy actions.

The novel corona virus disease or COVID- 19 that appeared at the end of December 2019 has affected people of India country. It has positioned an overwhelming burden on health care systems and authorities.

During the first four phases of the COVID- 19 connected lockdown, Indian women filed more domestic violence complaints than recorded in a similar period in the last 10 years. In 2020, between March 25 and May 31, 1477 complaints of domestic violence were made by women. This 68 days period recorded more complaints than those received between March and May in the previous 10 years.

Mental Health, defined by the world Health Organization, is "a state of well-being in which the individual realizes his or her own abilities, can cope with the normal stresses of life, can work productively and fruitfully, and is able to make a contribution to his or her community."

The aim of this research paper is to study impact of lockdown on domestic violence with special reference to Amravati city of Maharashtra state.

### **Objectives of the study:-**

1. To study effects of lockdown on mental health of families due to COVID pandemic in Amravati city of Maharashtra state.
2. To study reasons behind domestic violence in families due to lockdown in Amravati city of Maharashtra state.
3. To study impact of lockdown on domestic violence in the families in Amravati city of Maharashtra state.

### **Limitation of the study:-**

1. This study is limited to effects of lockdown on mental health of families due to COVID pandemic in Amravati city only, not for other cities of Maharashtra state.

2. This study is limited to families of Amravati city of Maharashtra state only.
3. This study is limited to data received for Amravati city of Maharashtra state only.
4. This study is limited to geographical area of Amravati city of Maharashtra state only.

**Hypothesis of the Study:-**

**Null Hypothesis 1 (Ho1):** - There is no significant relation between effects of lockdown and families' member's mental health in Amravati city of Maharashtra State.

**Null Hypothesis 2 (Ho2):** - There is no significant relation between impact of lockdown and domestic violence in the families in Amravati city of Maharashtra State.

**Data Collection:-**

For this research, primary data has been taken into consideration from data collection through questionnaire via online (e-mail) and telephonic communication with 252 families of Amravati City. There are 522 respondents from this 252 families of Amravati City has been participated in this research survey. A total of 522 participants responded, nearly seven percent of the responses were excluded because of missing data ( $n = 12, 2.29\%$ ) and/or lack of eligibility qualifications ( $n = 22, 4.21\%$ ). The remaining 488 (93.48%) responses are used in the analysis.

Secondary data has been taken into consideration from various newspapers, magazines, research journals and Maharashtra state Annual Report etc.

**Effects of Lockdown:-**

- Irritation due to Social Isolation
- Lack of supply of Basic Necessities (Needs)
- Unemployment due to Job loss

**Effects of Lockdown on Mental Health of Individuals:-**

- Stress/Anxiety
- Loneliness
- Depression
- Harmful use of Alcohol and drug
- Self Harm/Suicidal Tendency

**Reasons behind Domestic Violence:-**

- Alcohol Consumption
- Increase in Abusive Behavior
- Financial Crisis
- Stress

Above reasons are main influencers for increasing Domestic violence and decreasing level of mental health of individuals in Amravati city of Maharashtra state.

**Hypothesis Testing:-**

**Null Hypothesis 1 (Ho1):** - There is no significant relation between effects of lockdown and families' member's mental health in Amravati city of Maharashtra State.

**Alternative Hypothesis 1 (Ha1):** - There is significant relation between effects of lockdown and families' member's mental health in Amravati city of Maharashtra State.

**Application of Chi- Square Test:-**

**Observed Value Table**

<b>Effects on Mental Health</b> ➡	Stress/Anxiety (O)	Loneliness (O)	Depression (O)	Harmful use of Alcohol and drug (O)	Self Harm/Suicidal Tendency (O)
<b>Effects of Lockdown</b> ⬇					
Irritation due to Social Isolation	18	5	15	14	9
Lack of supply of Basic Necessities (Needs)	99	29	63	15	26
Unemployment due to Job loss	82	22	41	16	34

**Expected Value Table**

<b>Effects on Mental Health</b> ➔	Stress/Anxiety (E)	Loneliness (E)	Depression (E)	Harmful use of Alcohol and drug (E)	Self Harm/Suicidal Tendency (E)
<b>Effects of Lockdown</b> ⬇					
Irritation due to Social Isolation	24.87	7	14.87	5.63	8.62
Lack of supply of Basic Necessities (Needs)	94.61	26.63	56.57	21.39	32.81
Unemployment due to Job loss	79.52	22.37	47.56	17.98	27.57

<b>OBSERVED VALUE (O)</b>	<b>EXPECTED VALUE (E)</b>	<b>(O-E)</b>	<b>(O-E)*(O-E)</b>	<b>(O-E)*(O-E)/E</b>
18	24.87	-6.87	47.1969	1.89774427
99	94.61	4.39	19.2721	0.203700454
82	79.52	2.48	6.1504	0.077344064
5	7	-2	4	0.571428571
29	26.63	2.37	5.6169	0.21092377
22	22.37	-0.37	0.1369	0.006119803
15	14.87	0.13	0.0169	0.001136516
63	56.57	6.43	41.3449	0.730862648
41	47.56	-6.56	43.0336	0.904827586
14	5.63	8.37	70.0569	12.44349911
15	21.39	-6.39	40.8321	1.908934081
16	17.98	-1.98	3.9204	0.218042269
9	8.62	0.38	0.1444	0.01675174
26	32.81	-6.81	46.3761	1.41347455
34	27.57	6.43	41.3449	1.49963366
			<b>Calculated(<math>x^2</math>)=</b>	<b>22.10</b>

**Calculated( $x^2$ )= 22.10**

**Degree of Freedom = 8 (C-1) (R-1)**

**Level of significance = 5% i.e 0.05**

**Tabular( $x^2$ )= 15.51**

**Calculated( $x^2$ ) > Tabular( $x^2$ )**

Calculated ( $x^2$ ) value is greater than tabular ( $x^2$ ) value hence Null hypothesis rejected and alternative hypothesis get accepted i.e. There is significant relation between effects of lockdown and families' member's mental health in Amravati city of Maharashtra State.

**Result:-**

It can be said that lockdown has influenced families' member's mental health in Amravati city of Maharashtra State and there is significant relation between effects of lockdown and families' member's mental health.

**Null Hypothesis 2 (Ho2):** - There is no significant relation between impact of lockdown and domestic violence in the families in Amravati city of Maharashtra State.

**Alternative Hypothesis 2 (Ha2):** - There is significant relation between impact of lockdown and domestic violence in the families in Amravati city of Maharashtra State.

**Application of Chi- Square Test:-**

**Observed Value Table**

<b>Reasons behind Domestic Violence</b> →	Alcohol Consumption (O)	Increase in Abusive Behavior (O)	Financial Crisis (O)	Stress (O)	All of the reasons (O)
<b>Effects of Lockdown</b> ↓					
Irritation due to Social Isolation	14	11	23	9	4
Lack of supply of Basic Necessities (Needs)	29	27	113	44	19
Unemployment due to Job loss	36	17	71	43	28

**Expected Value Table**

<b>Reasons behind Domestic Violence</b> →	Alcohol Consumption (E)	Increase in Abusive Behavior (E)	Financial Crisis (E)	Stress (E)	All of the reasons (E)
<b>Effects of Lockdown</b> ↓					
Irritation due to Social Isolation	9.87	6.88	25.88	12	6.37
Lack of supply of Basic Necessities (Needs)	37.56	26.15	98.41	45.64	24.25
Unemployment due to Job loss	31.57	21.97	82.71	38.36	20.38

OBSERVED VALUE (O)	EXPECTED VALUE (E)	(O-E)	(O-E)*(O-E)	(O-E)*(O-E)/E
14	9.87	4.13	17.0569	1.728156028
29	37.56	-8.56	73.2736	1.950841321
36	31.57	4.43	19.6249	0.621631296
11	6.88	4.12	16.9744	2.467209302
27	26.15	0.85	0.7225	0.027629063
17	21.97	-4.97	24.7009	1.12430132
23	25.88	-2.88	8.2944	0.32049459
113	98.41	14.59	212.8681	2.163073875
71	82.71	-11.71	137.1241	1.657890219
9	12	-3	9	0.75
44	45.64	-1.64	2.6896	0.058930762
43	38.36	4.64	21.5296	0.561251303
4	6.37	-2.37	5.6169	0.88177394
19	24.25	-5.25	27.5625	1.136597938
28	20.38	7.62	58.0644	2.849087341
			<b>Calculated(<math>x^2</math>)=</b>	<b>18.29</b>

**Calculated( $x^2$ )= 18.29**

**Degree of Freedom = 8 (C-1) (R-1)**

**Level of significance = 5% i.e 0.05**

**Tabular( $x^2$ )= 15.51**

**Calculated( $x^2$ ) > Tabular( $x^2$ )**

Calculated ( $x^2$ ) value is greater than tabular ( $x^2$ ) value hence Null hypothesis rejected and alternative hypothesis get accepted i.e. there is significant relation between impact of lockdown and domestic violence in the families in Amravati city of Maharashtra State.

## II. RESULT:-

It can be said that lockdown has impact on domestic violence in the families in Amravati city of Maharashtra State and there is significant relation between lockdown and domestic violence.

## III. CONCLUSION:-

After result analysis of hypothesis testing by applying Chi- Square Test, data derived from primary data, it can be concluded that there is significant relation between effects of lockdown and families' member's mental health in Amravati city of Maharashtra State, so it's become difficult to individual in Amravati city to cope with the normal stresses of life and lockdown effects their work productivity and efficiency.

It can be concluded that there is significant relation between impact of lockdown and domestic violence in the families in Amravati city of Maharashtra State. Lockdown due to COVID-19 has shaped such circumstances for maltreatment that are supreme for abusers and such conditions has prickled due to increased pressure that come from security, health and money worries and restricted and confined living conditions.

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