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Clean Air And Citizen



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Findings of Air Pollution Awareness Study Amongst Residents of Delhi-NCR

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Why this Survey

- **To evaluate the Knowledge** of on Air Quality residents of Delhi-NCR, especially the most vulnerable individuals.
- **To know the Attitude** towards policies and actions towards clean air.
- **To know the Practices** followed by them for improving Air Quality.

Educate and Engage the Public To Combat Air Pollution

Survey Partners

Survey Design Partner



Survey Implementation Partner



Survey Methodology

- Researched existing surveys on Air Pollution.
- Developed questionnaire in English.
- A total of 57 Questions, including 8 demographic questions.
- Translated to Hindi
- Converted to a mobile application.
- Data collected through in-person interview by survey team, who filled the responses into the app.



Survey Area

Delhi - NCR



- Delhi was divided into **7 zones** as per Delhi Parliamentary Constituencies
- **11 Busy metro stations** were taken from 7 Parliamentary Constituencies.
- **4 Busy metro stations** from Ghaziabad, Noida, Gurgaon, and Faridabad (One from each).
- Data was collected **within a 1km radius** from all metro stations.
- Data also collected from **urban slums** in the radius of the metro stations.
- Data also collected from **2 Public Schools** from students of 9th Standard – 12th Standard.

Survey Respondents

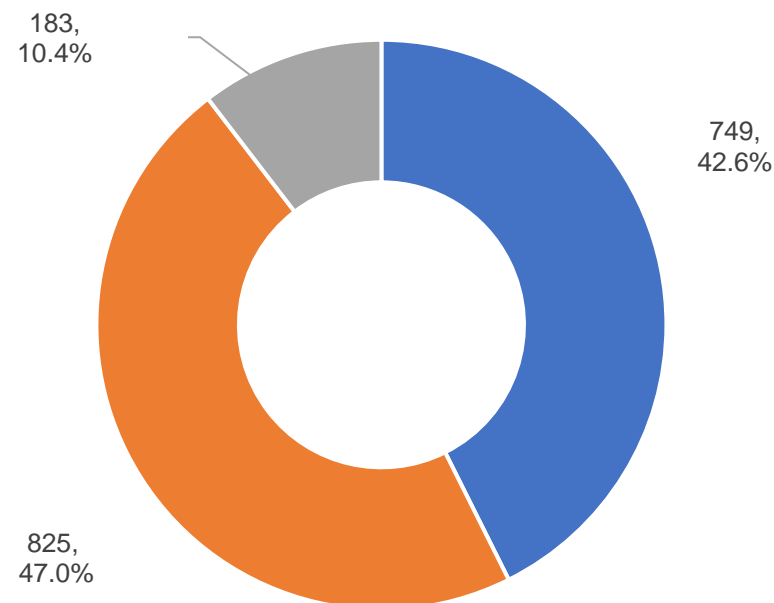


1757
**Residents of
Delhi-NCR**



Respondent Demographics

Age Group



42.6% Less than 25

47% Between 25 & 49

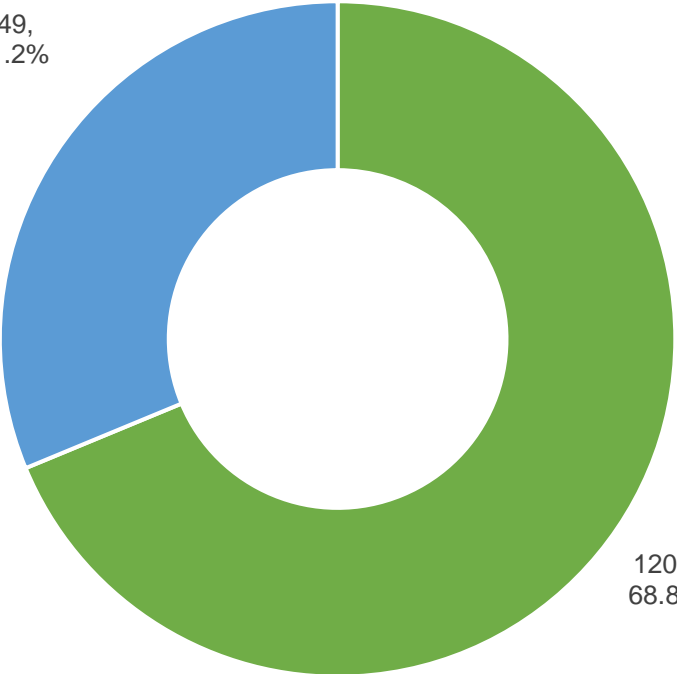
10.4% Greater than 49

Respondent Demographics

Gender



549,
31.2%



31.2% Females

68.8% Males



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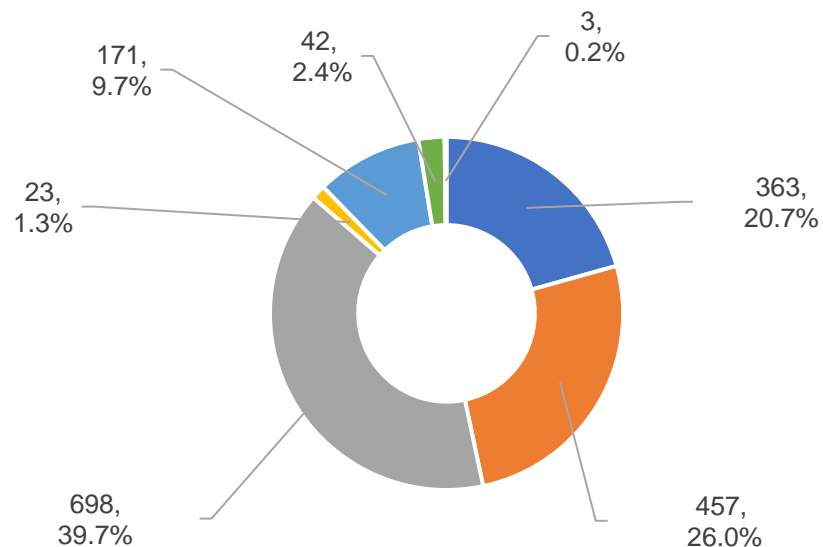
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Respondent Demographics

Education Status



39.7%	Studied 9 th - 12 th
26%	Up to 8 th Standard
20.7%	Never been to school
9.7%	Graduates
2.4%	Post-graduates

Key Findings



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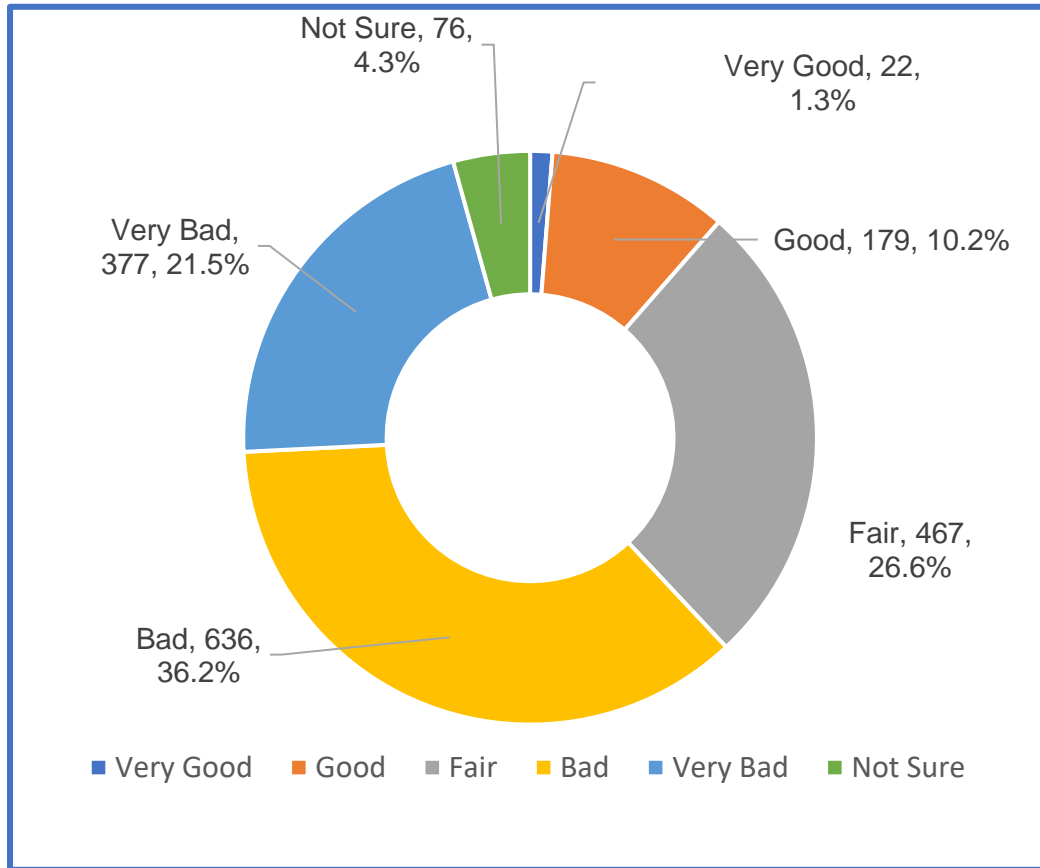
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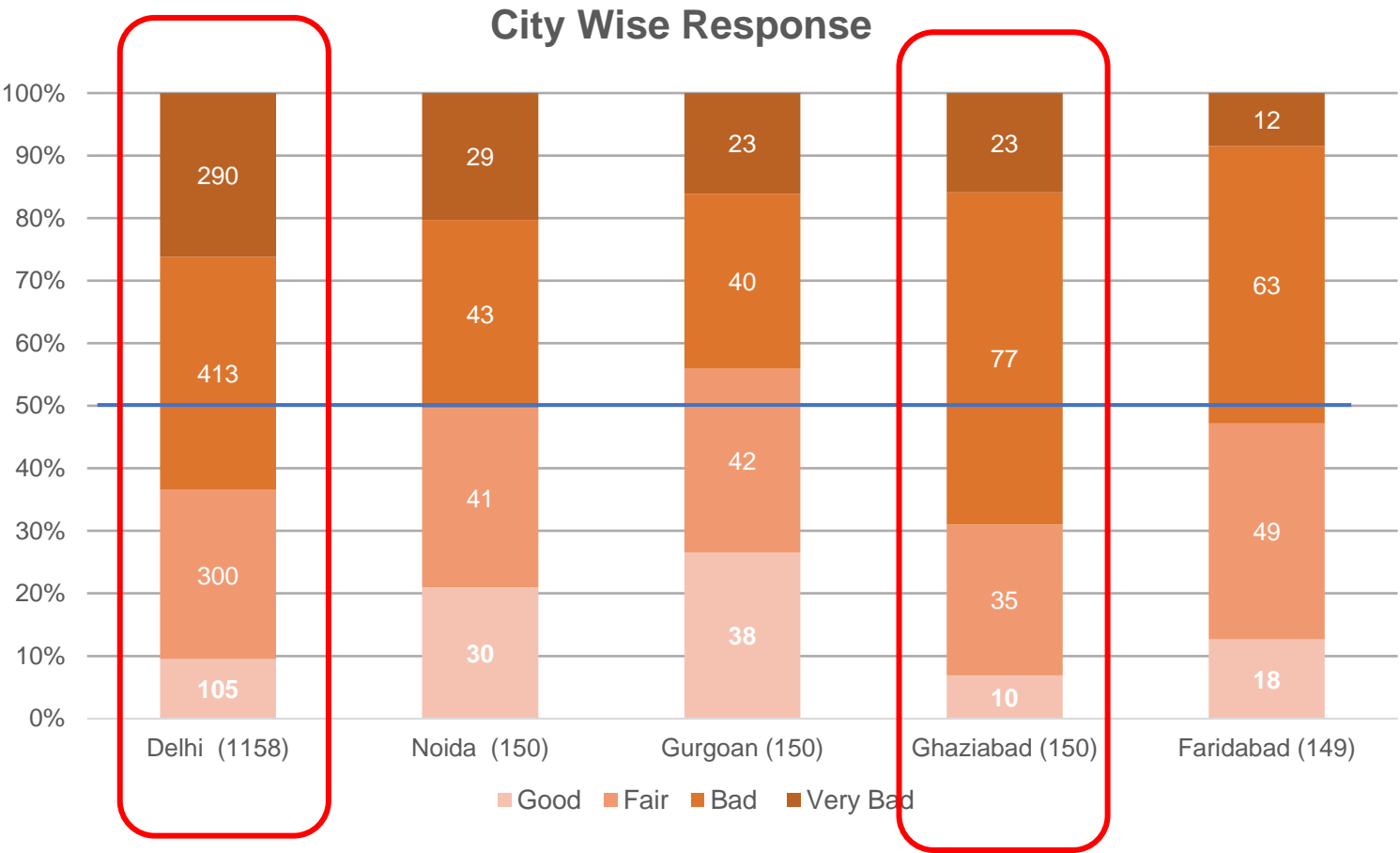
Air Quality Index/Measuring Related Questions

How will you rate your city's air quality?

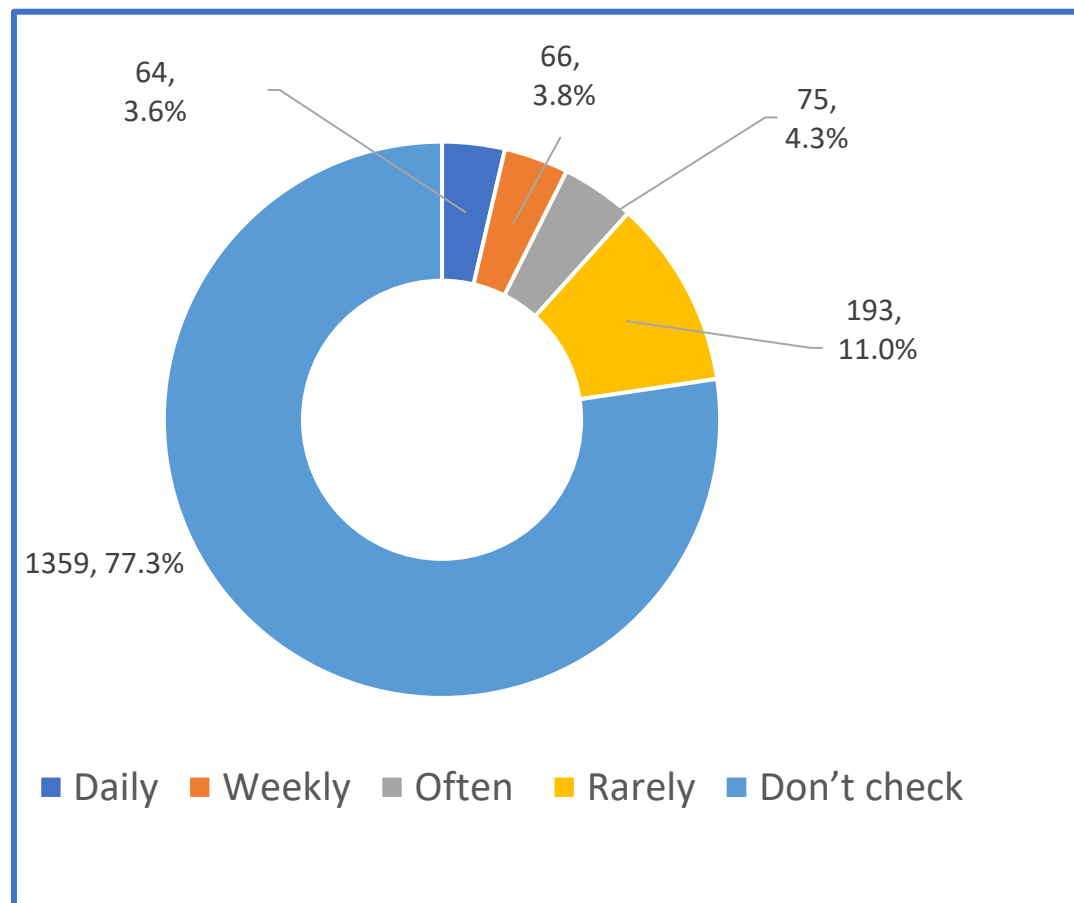


More than half **(57.7%)** of the respondents rated the air quality in their city as **bad (36.2%)** or **very bad (21.5%)**.

How will you rate your city's air quality?



How frequently do you check air quality?



77.3% Do not check

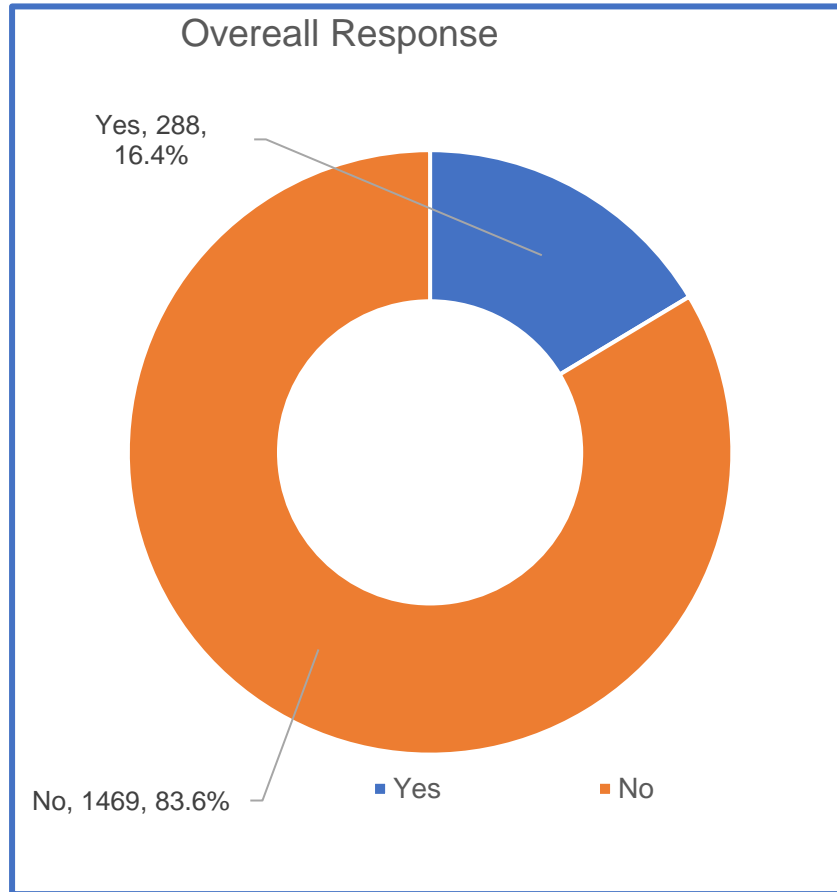
26% Rarely

4.3% Often

3.8% Weekly

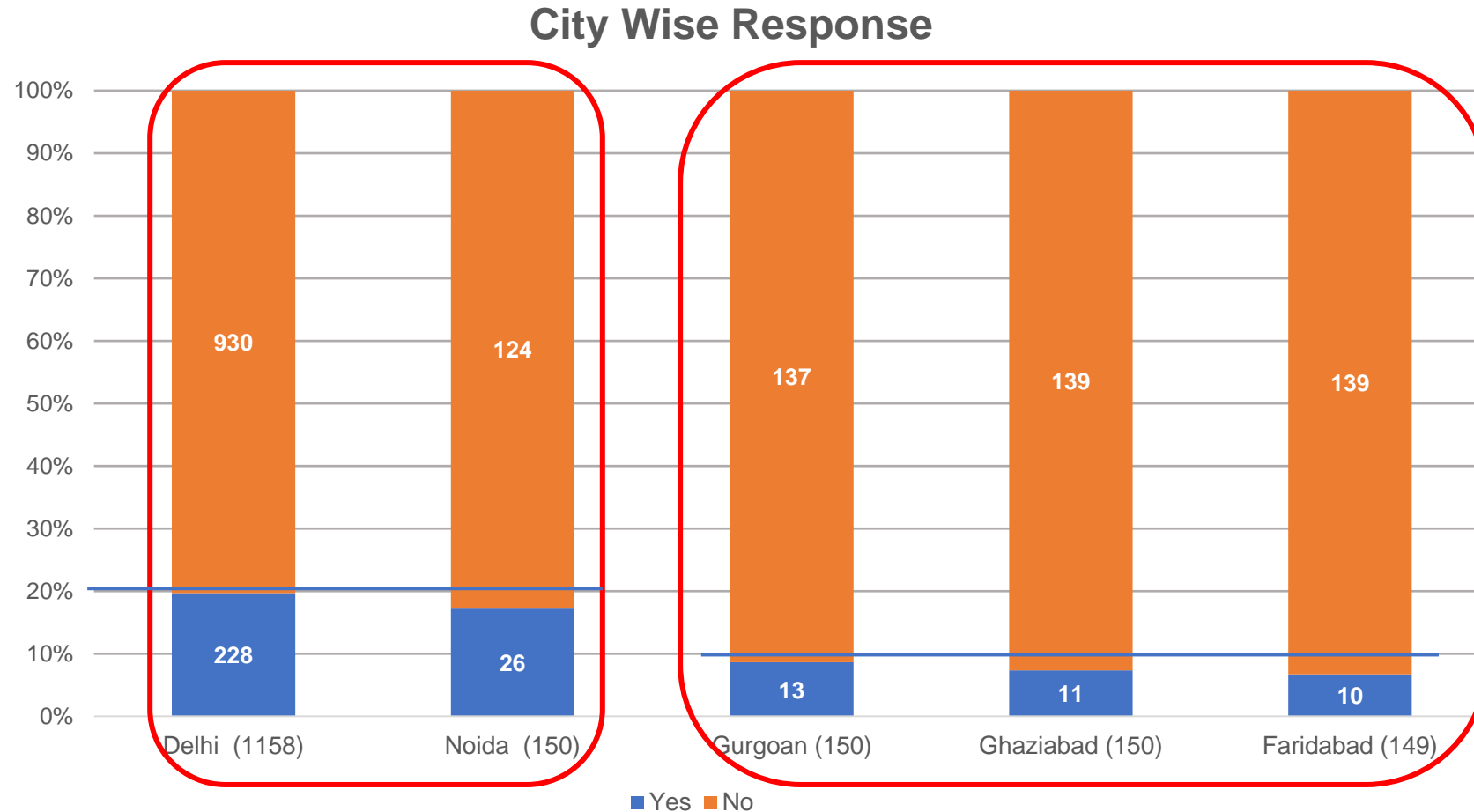
3.6% Daily

Are you aware of the Air Quality Index (AQI)?

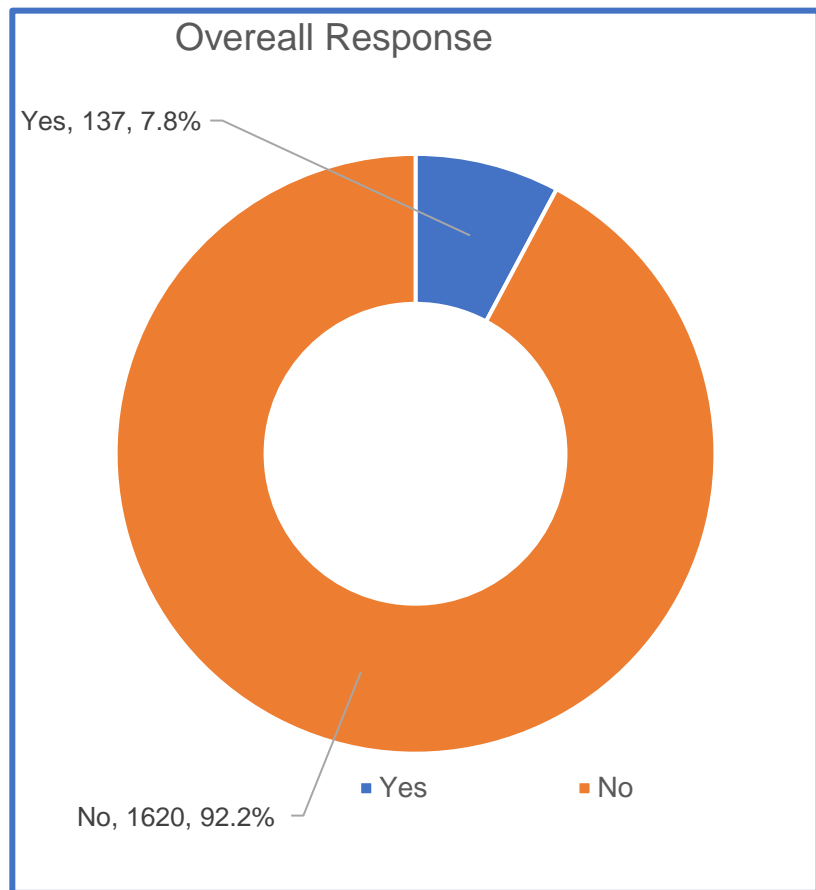


83.6% of respondents
were unaware about AQI.

Are you aware of the Air Quality Index (AQI)?

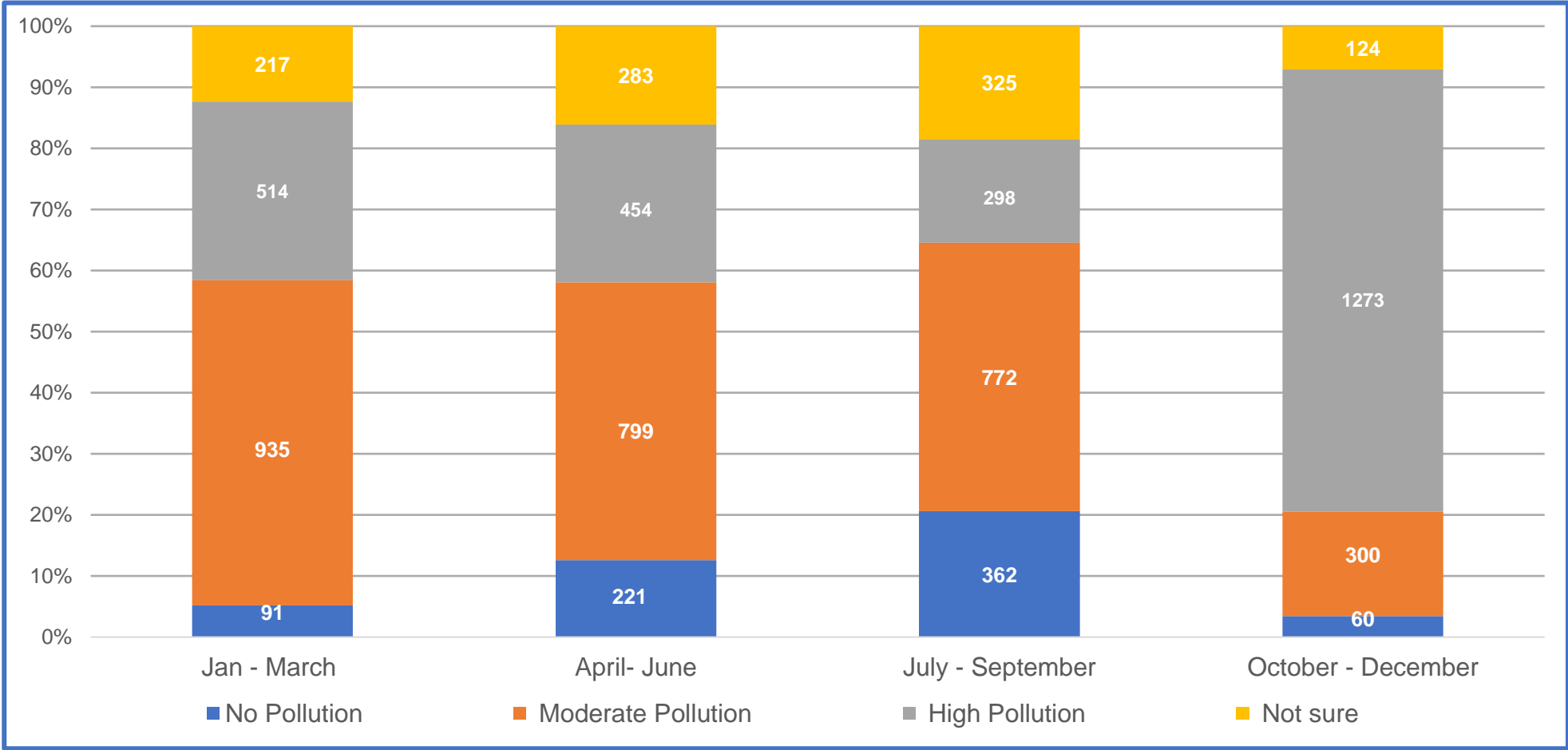


Do you know the difference between PM2.5 and PM10?

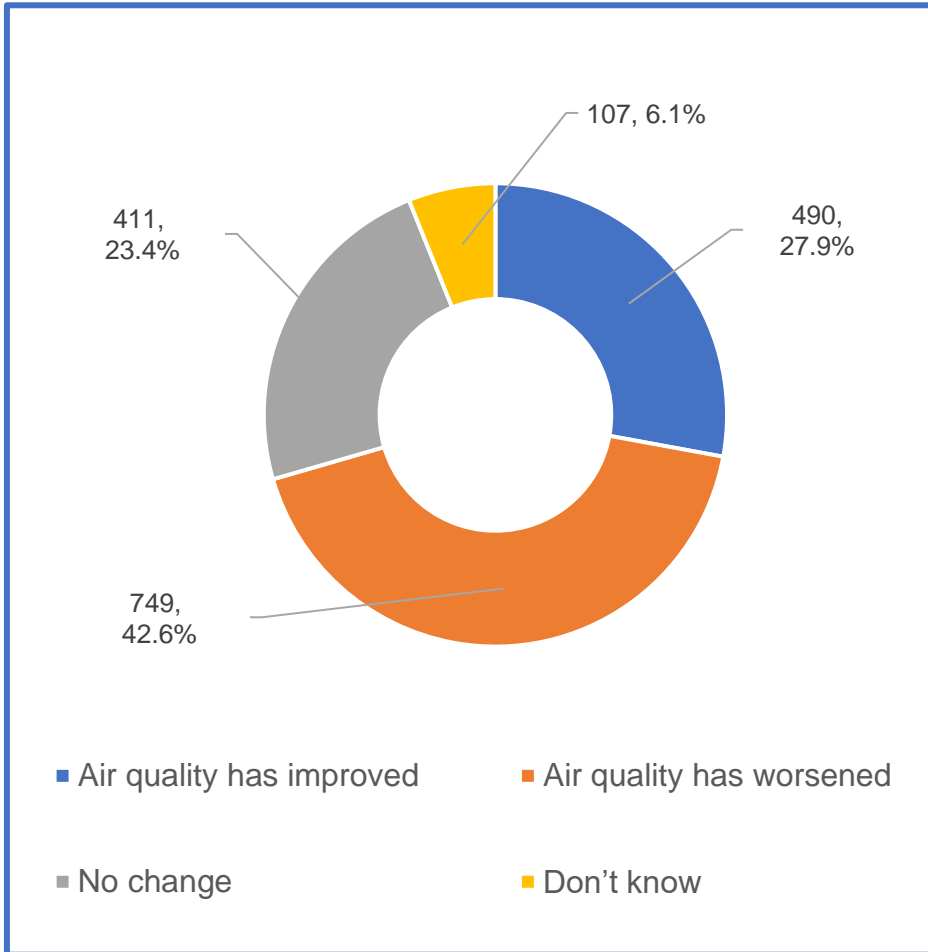


92.2% of total respondents
didn't know the difference
between PM2.5 and PM10.

How would you rank the air pollution level in the following quarters?



What are your thoughts on the change in air quality in your city over the last 3-4 years?



42.6% of the respondents thought that air quality has worsened.

27.9% respondents claimed that air quality had improved.



**Is air quality perceived
through optical quality of air?**



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Health Impacts of Air Pollution

Related Questions

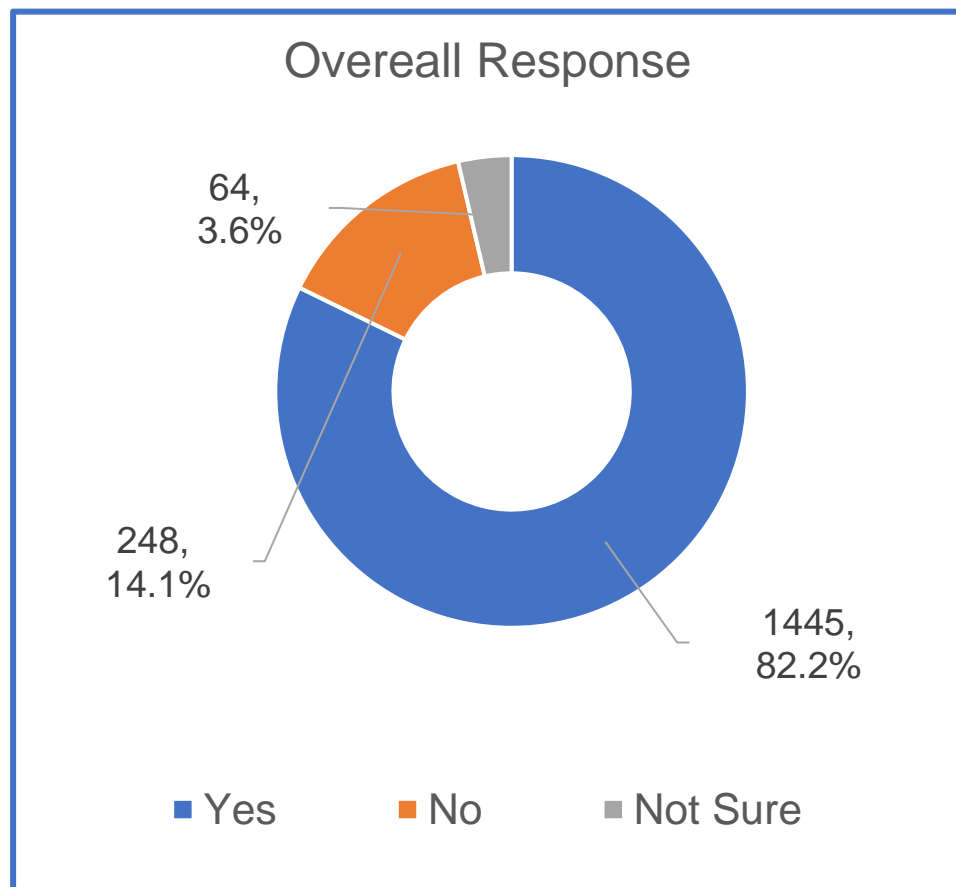


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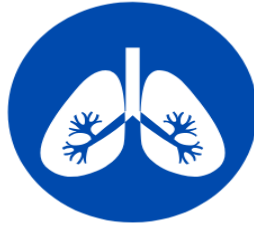


Do you think air pollution has an impact on your health?



Majority of the respondents (82.2%) respondents say that air pollution has an impact on their health.

Which organs do you think are affected by air pollution? (Multiple choices)



LUNG
76.5%



EYES
57.3%



SKIN
18.7%



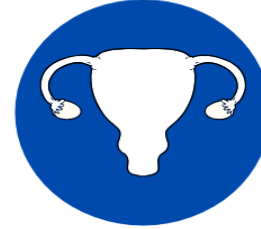
HEART
14.7%



BRAIN
9.2%



KIDNEYS
7.1%

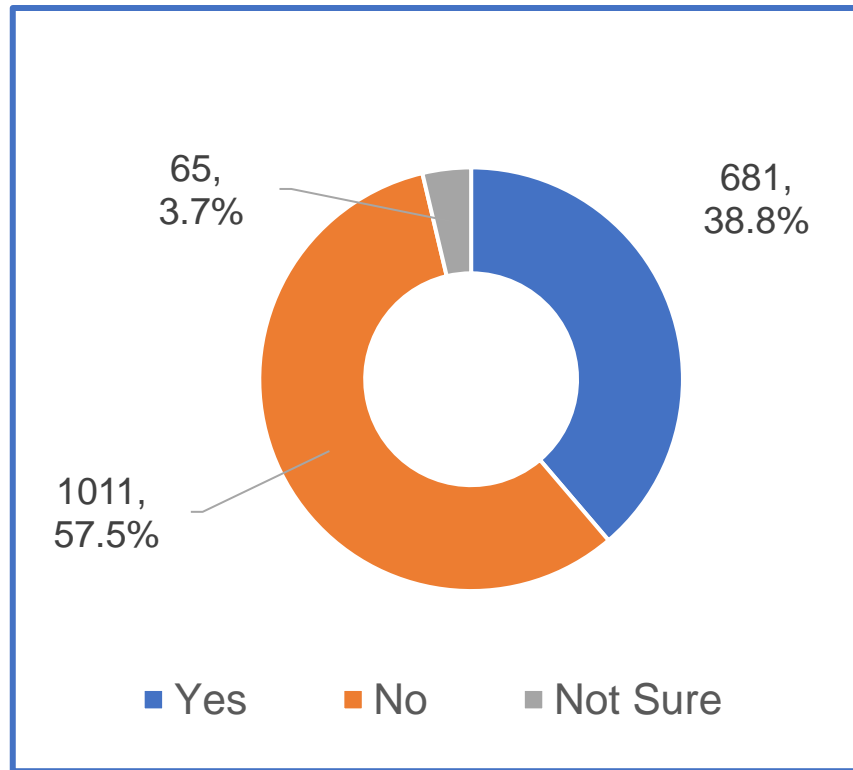


REPRODUCTIVE
1.7%



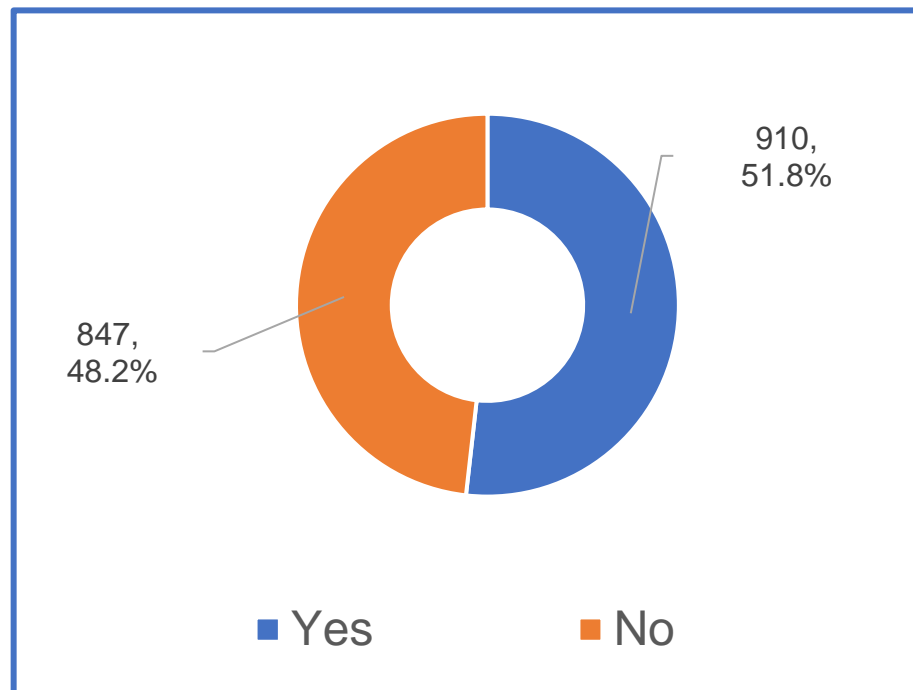
DON'T KNOW
7.6%

Have you or any of your relatives visited the hospital due to respiratory discomfort (asthma/ cough) in the last one year?



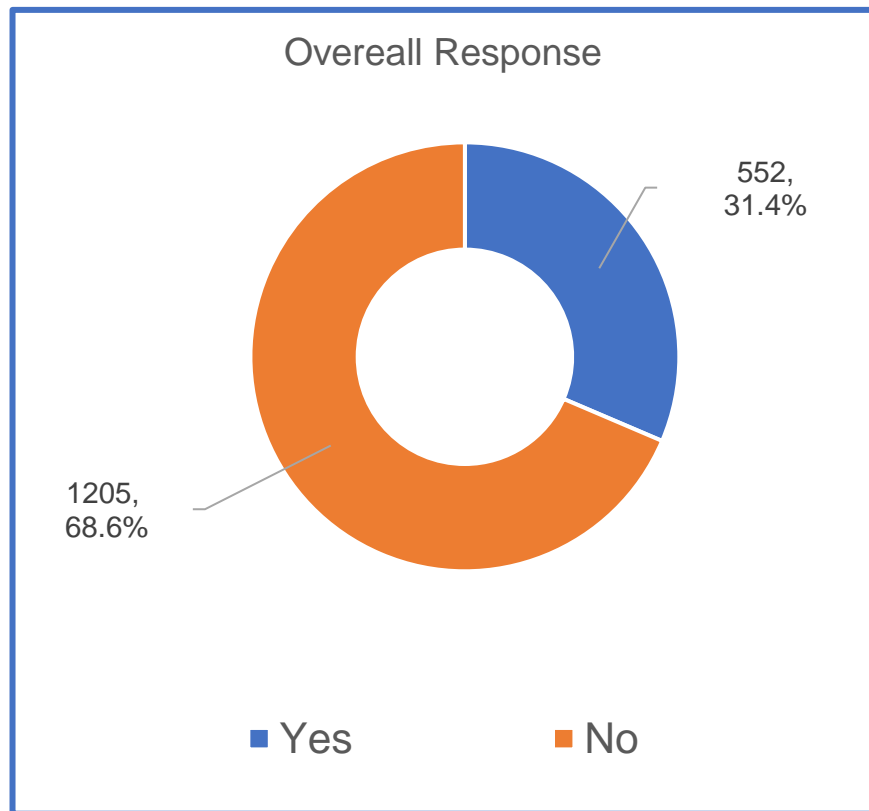
38.8% of respondents have visited the hospital due to respiratory discomfort in the last one year.

Are you aware of the health warning being given by the State or Central Government in winter when air pollution increases?



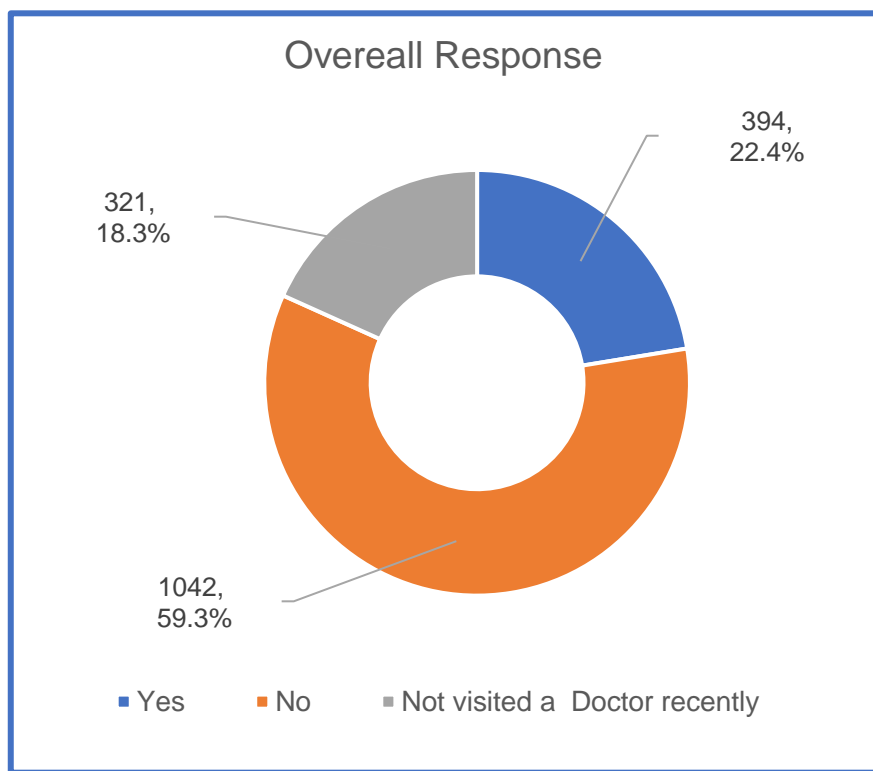
51.8% of the respondents were aware of the health warning being given by the State or Central Government.

Are you aware of any public health emergencies issued by the Government of Delhi on account of extremely poor air quality in the last two years?



Only 31.4% respondents were aware of any public health emergencies issued by the Government of Delhi.

Has your doctor ever talked to you regarding air pollution?



Only **(22.4%)** told that their a doctor has talked to them regarding air pollution.



**Is public aware of the
extent of health impacts
of bad Air Quality?**

Government Policy & Citizen Initiative

Related Questions

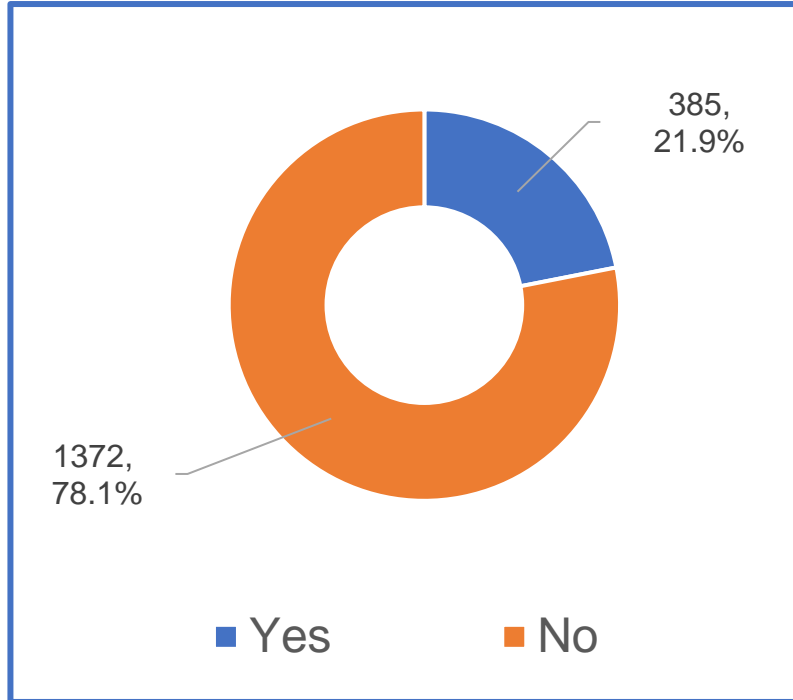


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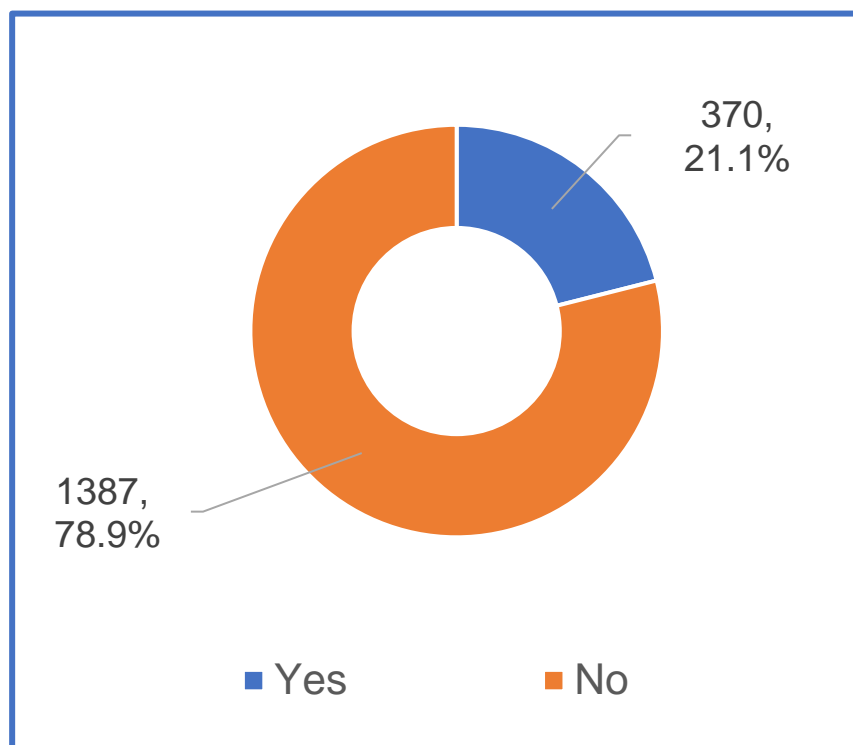


Do you know of any program or initiative undertaken by the local Government to tackle air pollution in your city?



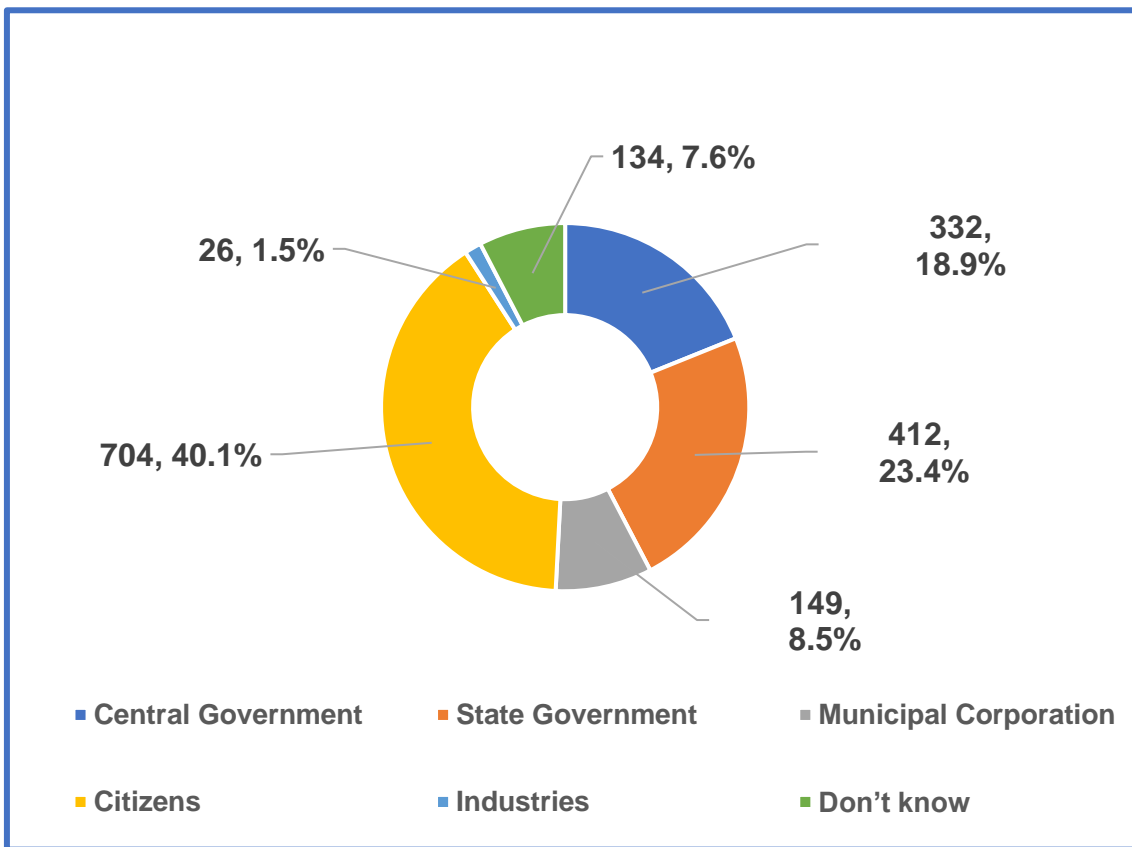
78.1% were not aware of Local Government's initiatives undertaken to reduce air pollution.

Are you aware of the National Clean Air Programme?



78.9% respondents do not know about the National Clean Air Programme.

Who should be most responsible for reducing air pollution in your city?



40.1% Citizens

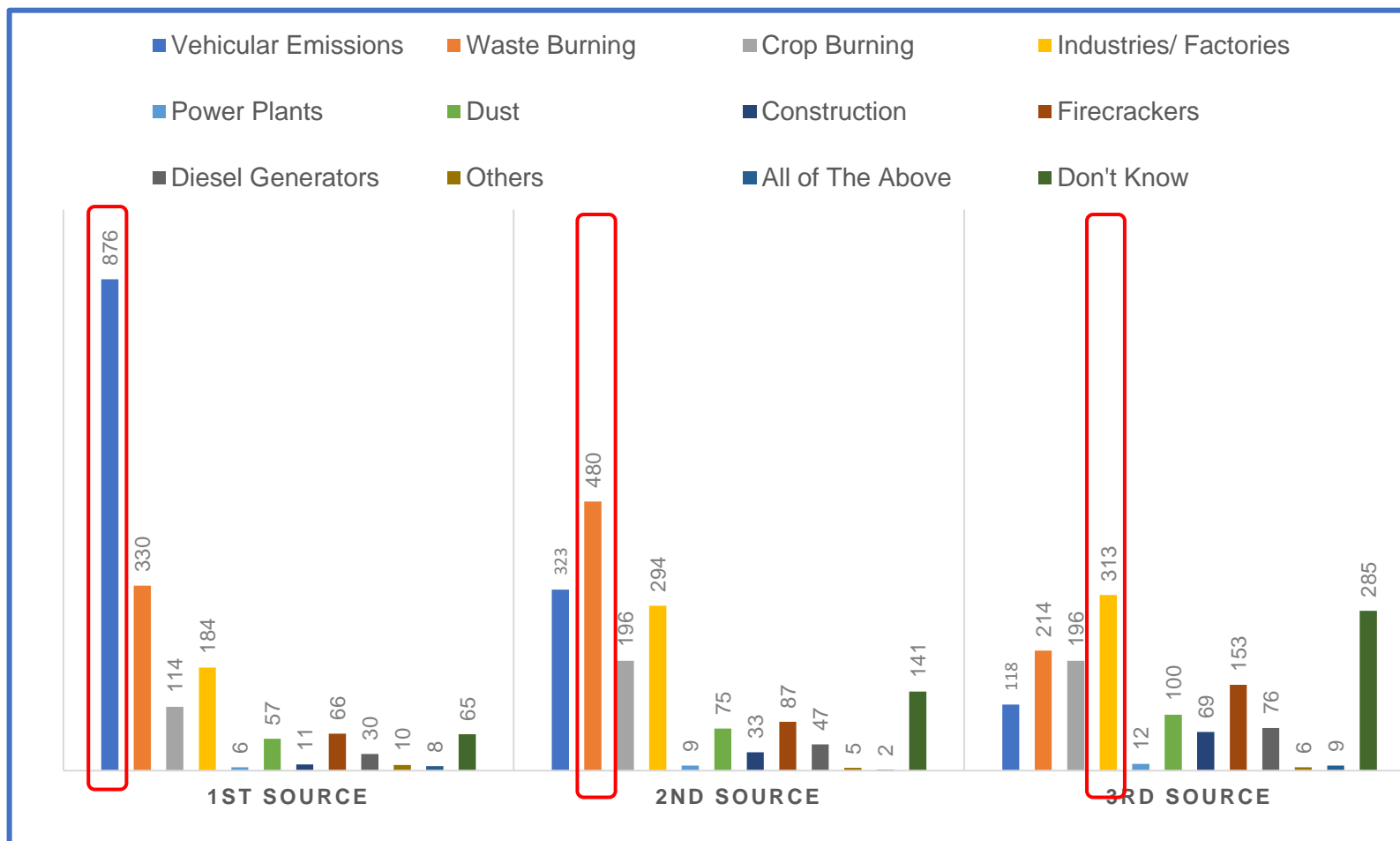
23.4% State Government

18.9% Central Government

8.5% Weekly

7.6% Daily

Rank top 3 sources of outdoor air pollution in Delhi and N.C.R.?

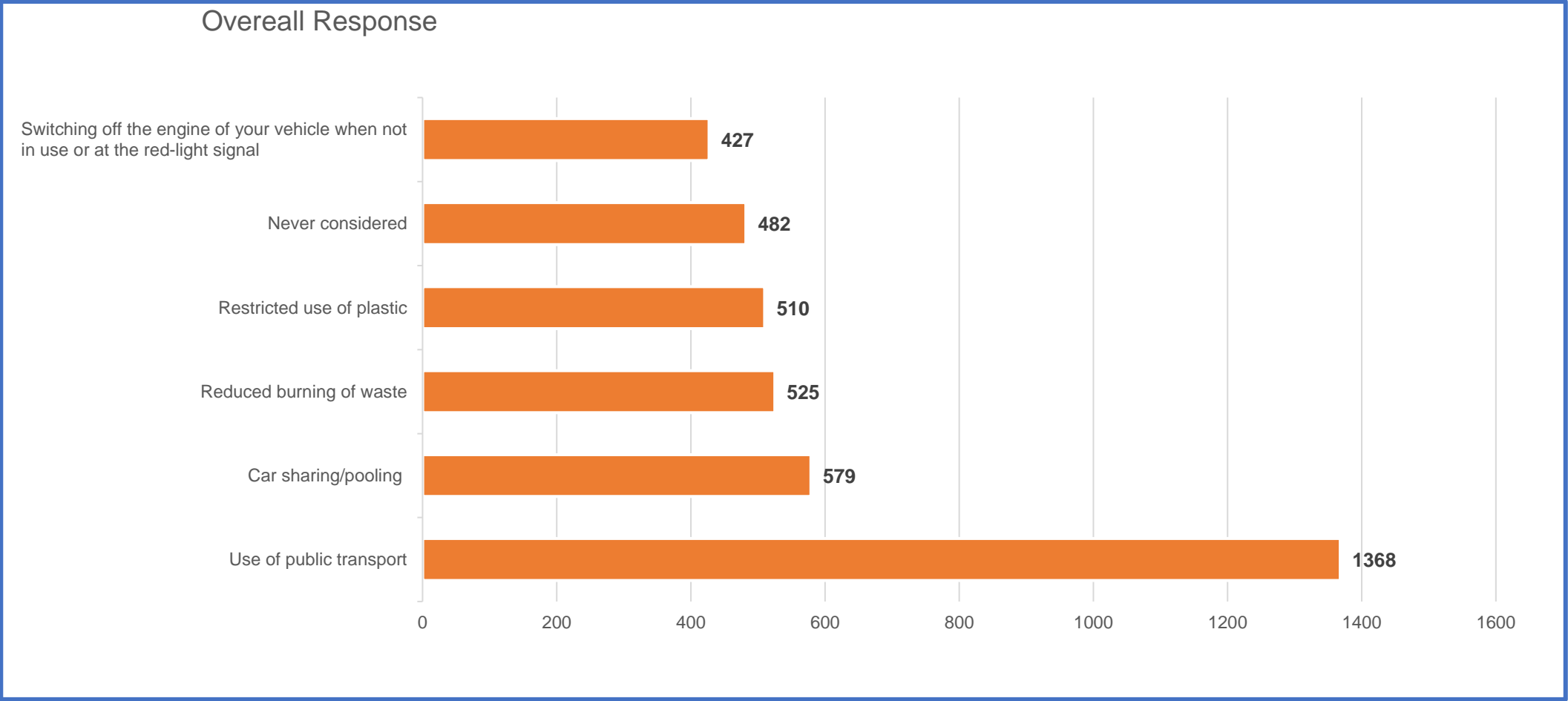


49.9% of respondents listed vehicular emissions as the first source of air pollution.

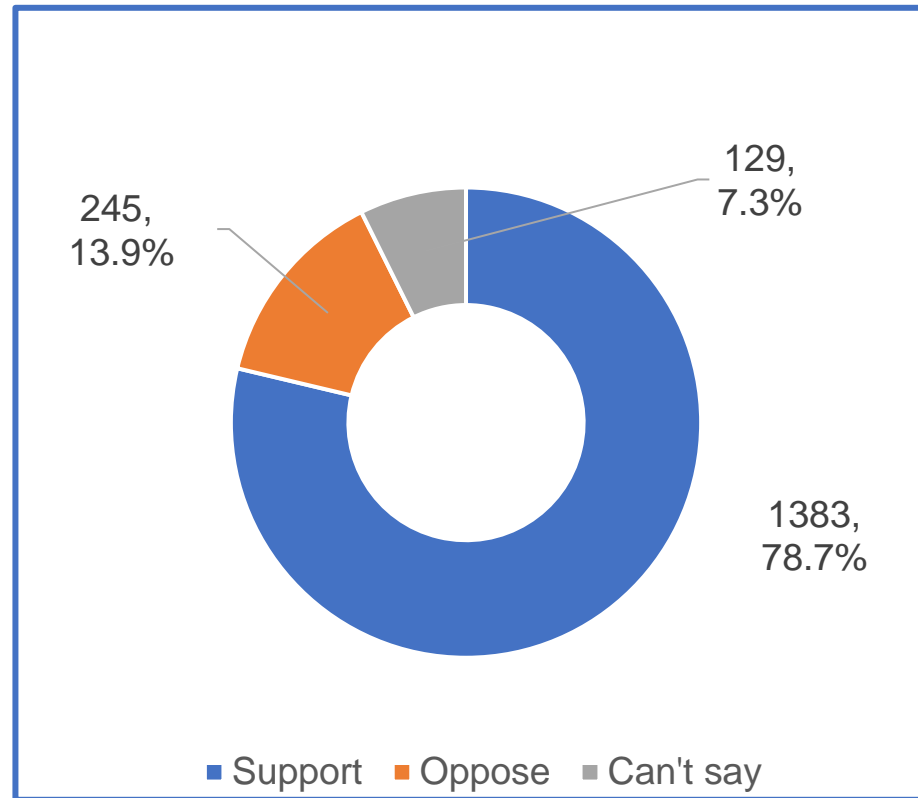
28.4% of respondents listed waste burning as the second source.

20.2% listed industries/factories as the third source

Have you, at any point, considered any of the following individual behavioural changes to reduce air pollution?



Would you support or oppose the steps taken by the Government to reduce air pollution? If the steps cause you inconvenience.



78.7% of respondents would support the Government to reduce air pollution though the step might cause them inconvenience.



**Are we engaging the public to
formulate and implement
policies and initiatives related to clean
air?**

What Information Does The Public Want On Air Pollution



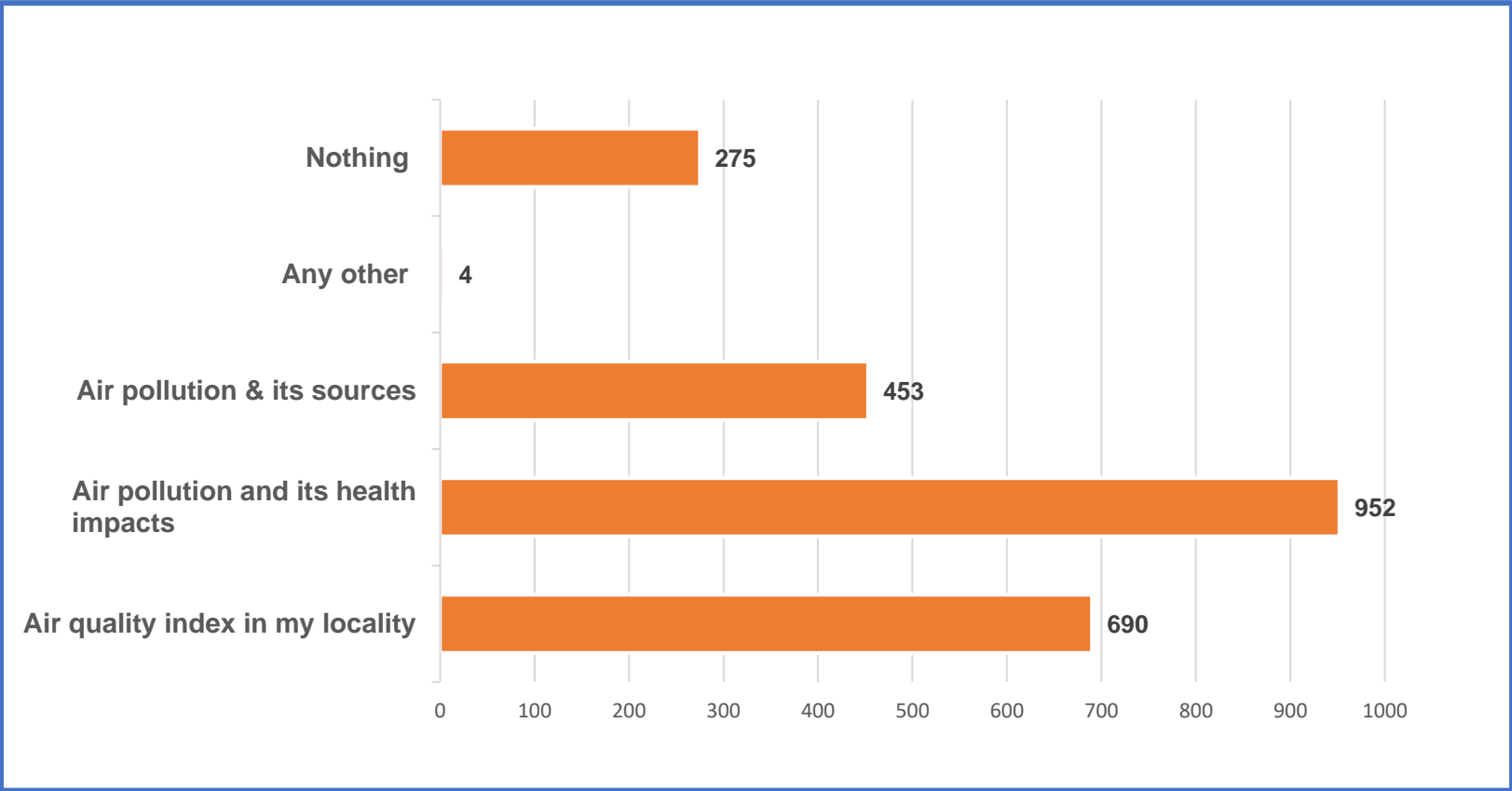
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On what aspects related to air pollution do you wish to have more information? (Multiple Choices)



Public Cares About The Environment!



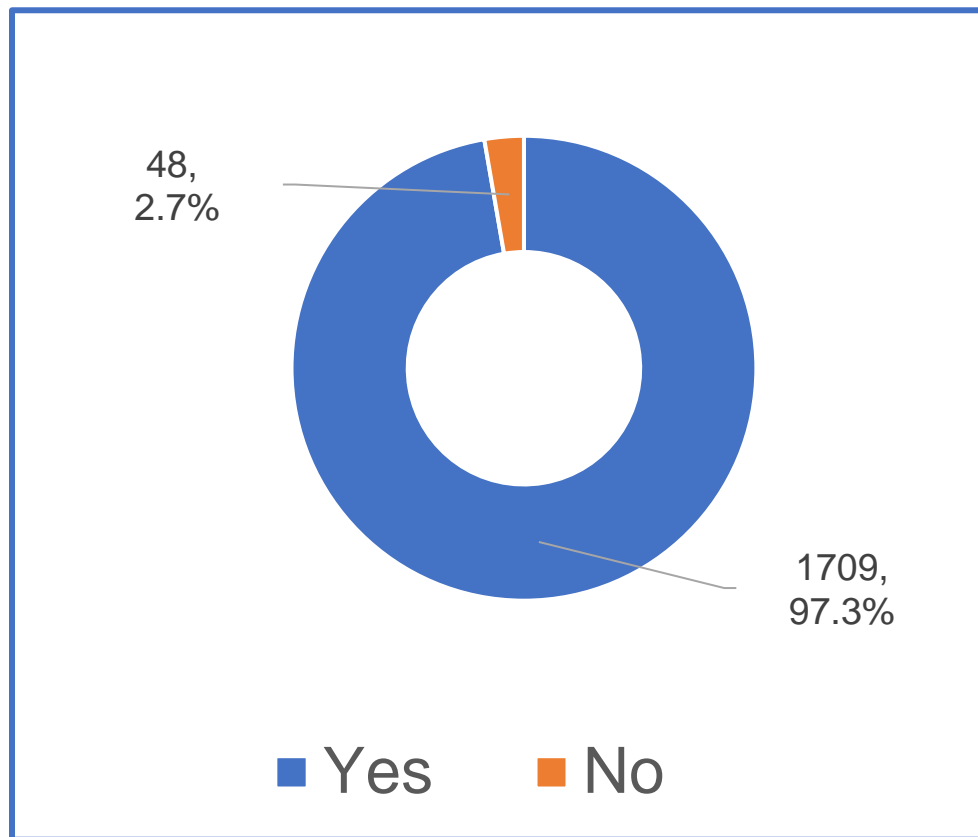
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Do you think you have a responsibility to protect your environment?



The Complete Report Is Available on

www.shan.org.in/survey



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