



# Knowledge, Attitude and Practice of General Public on Wastewater Management in Kathmandu Valley

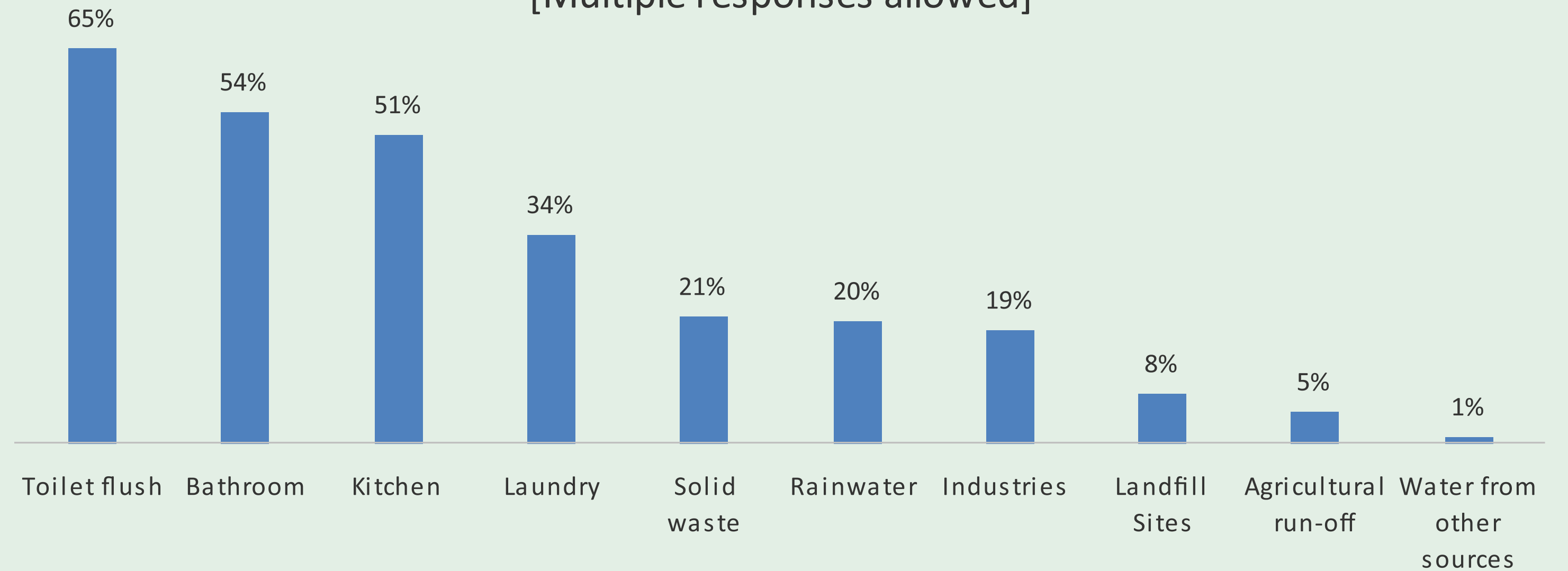
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## Introduction

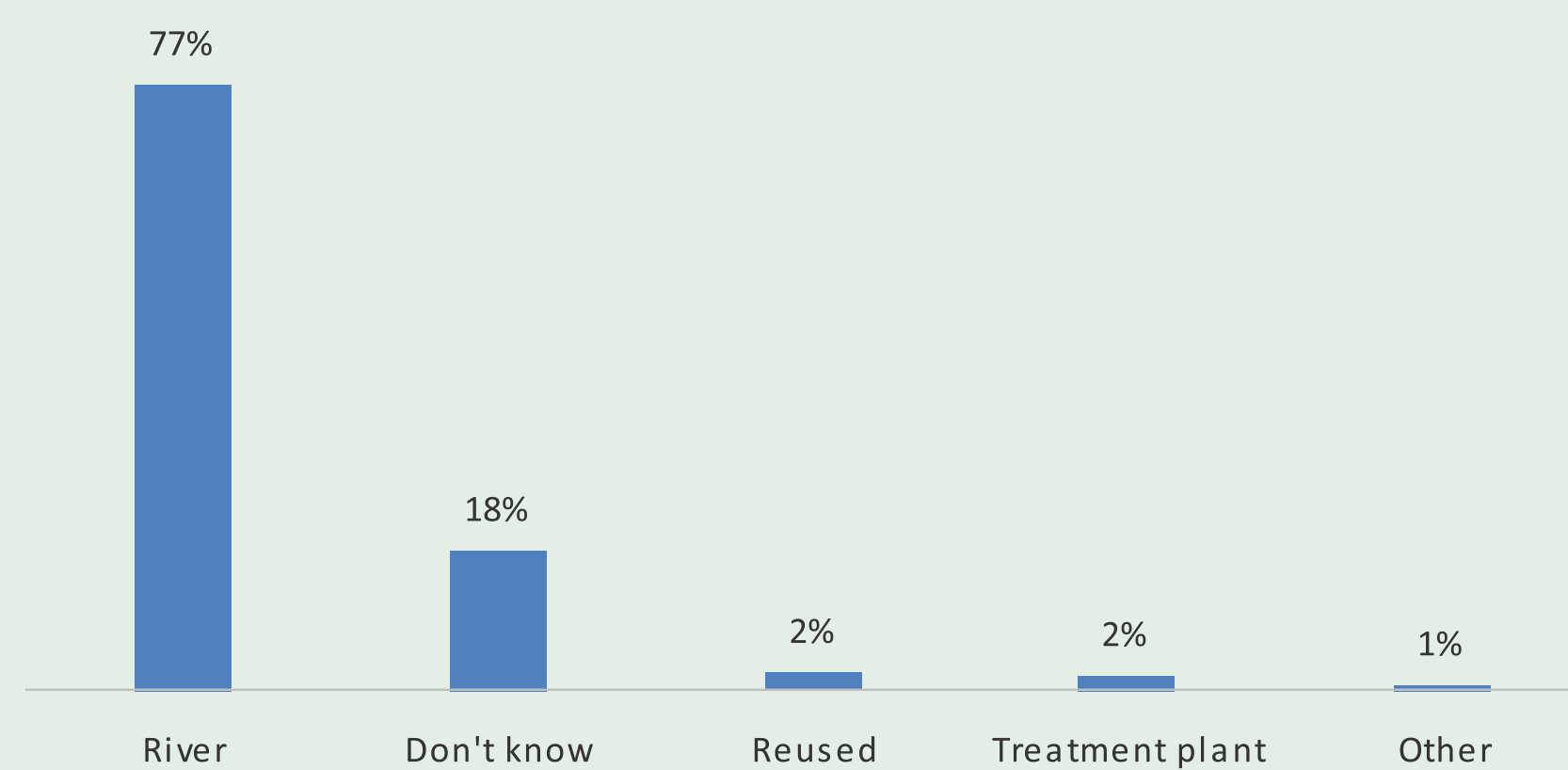
Wastewater Management is becoming an emerging issue specifically due to the increasing trend of urbanization and population growth in cities like Kathmandu with most of the wastewater being directly discharged into rivers without proper treatment. Sustainable wastewater management and proper wastewater treatment are very crucial. Such issues can be better dealt with owing to the support from public, community and all relevant stakeholders. A survey was conducted in order to know the Knowledge, Attitude and Practice (KAP) of the general public on wastewater management in Kathmandu Valley.



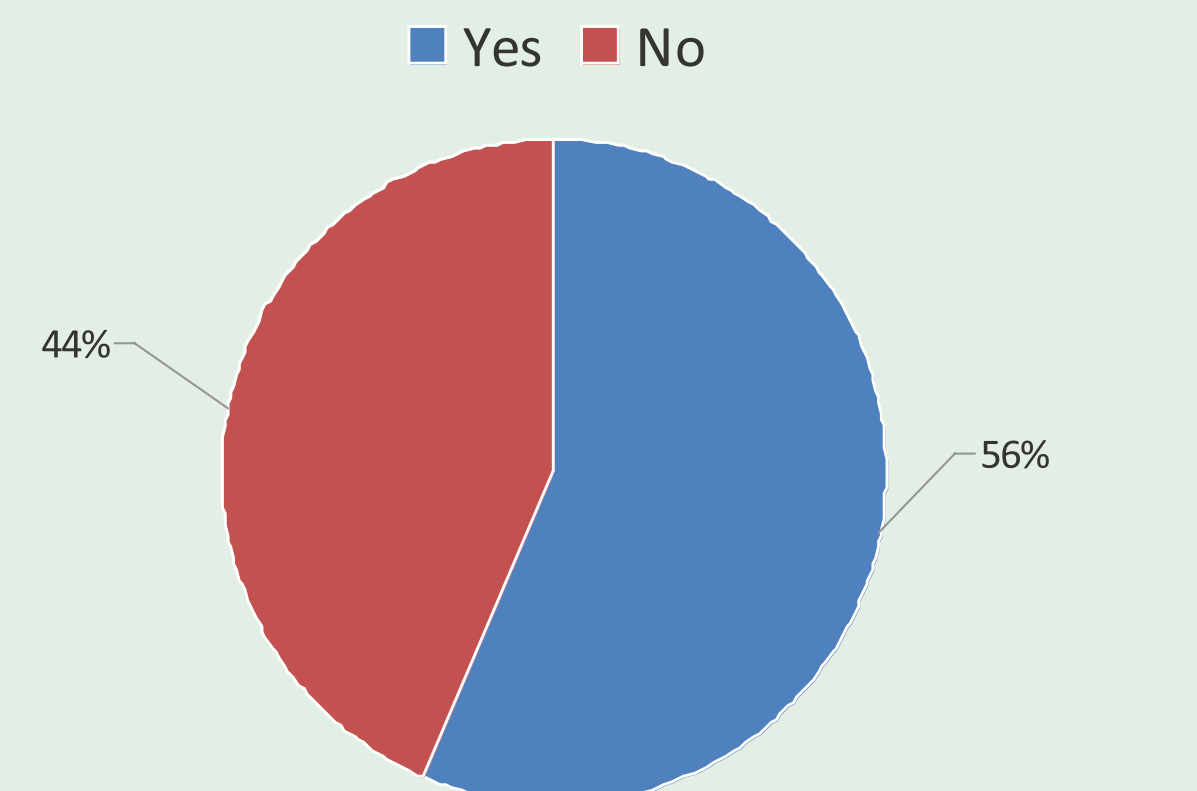
Knowledge on wastewater generation (n= 4958)  
[Multiple responses allowed]



Where does wastewater go at the end? (n=4958)



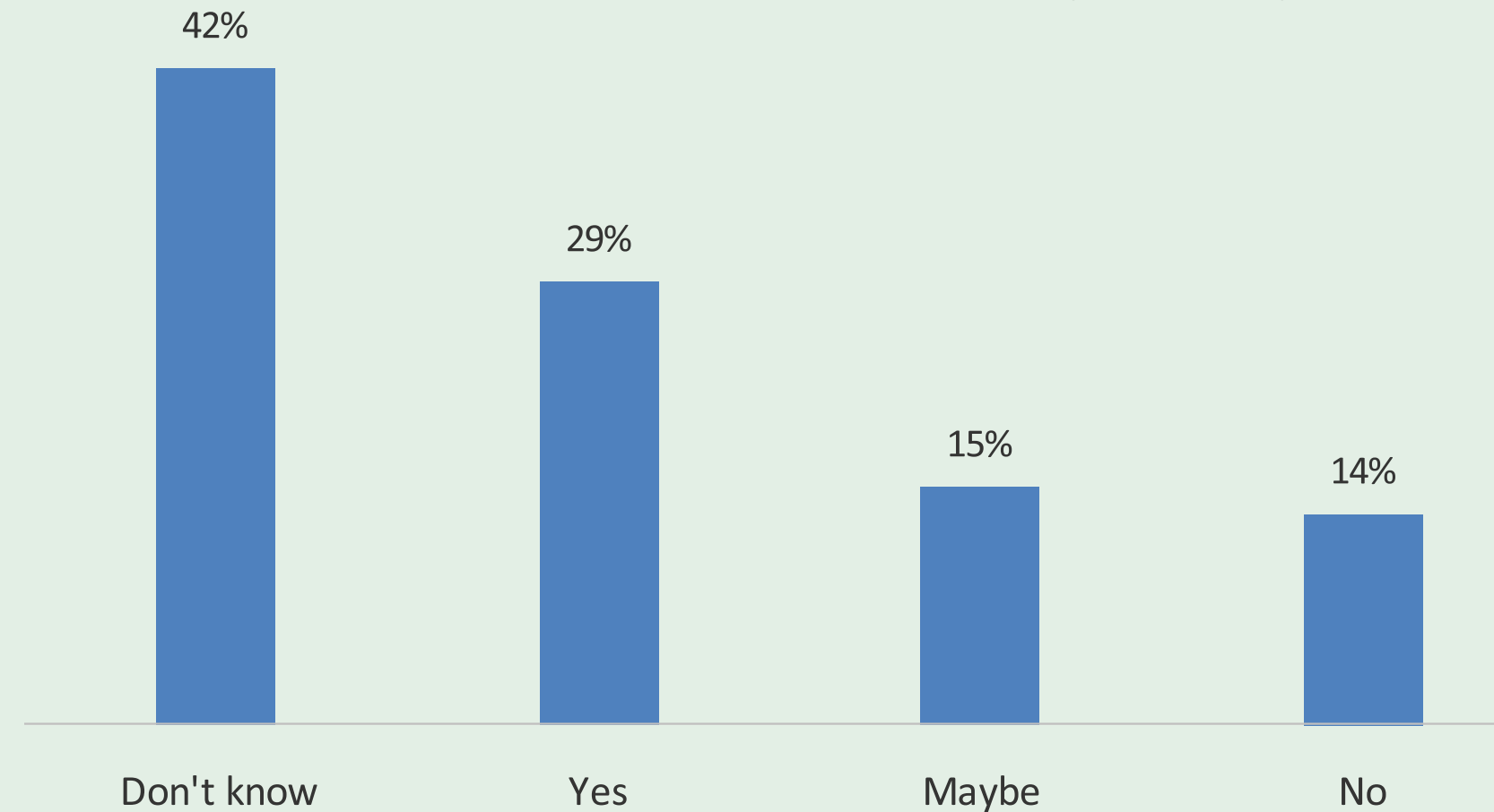
Have you heard about Wastewater Management?



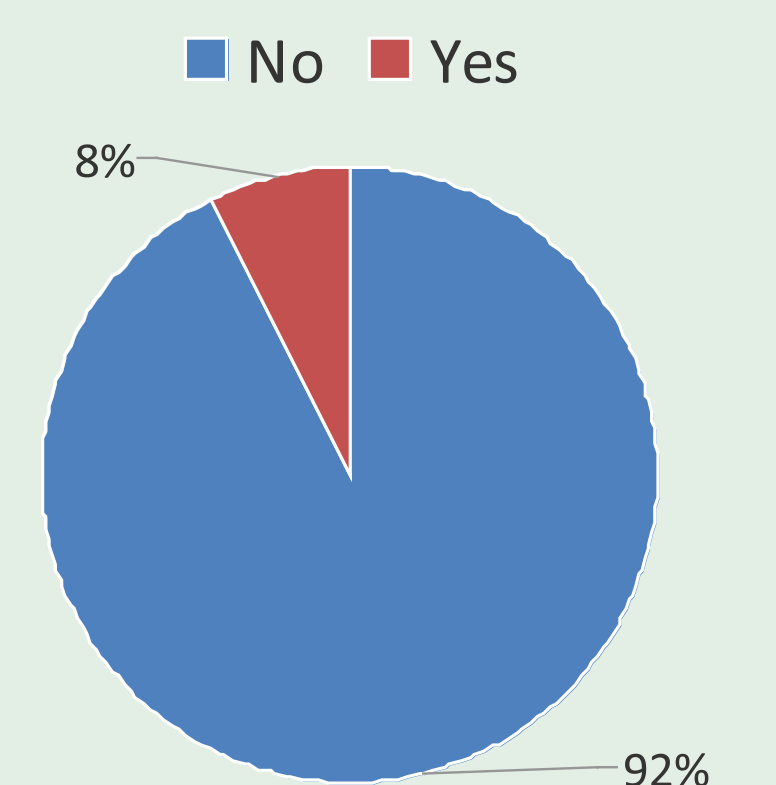
## Methodology

In an attempt to assess the public understanding, ENPHO conducted KAP survey regarding wastewater management. A questionnaire was developed for the survey and Paschim Paaila youth volunteers were mobilized to 34 strategic locations in Kathmandu Valley over a span of eight days. Random sampling method was used to collect the data and the data from 4,958 random pedestrians were collected using smart phones with the free android based application – KoBo Collect Toolbox installed in it. The data were then analyzed using MS Excel and Kobo Collect website.

Can Wastewater be treated? (n=4958)



Knowledge on inclusion of wastewater management charge in water bill (n=4624)

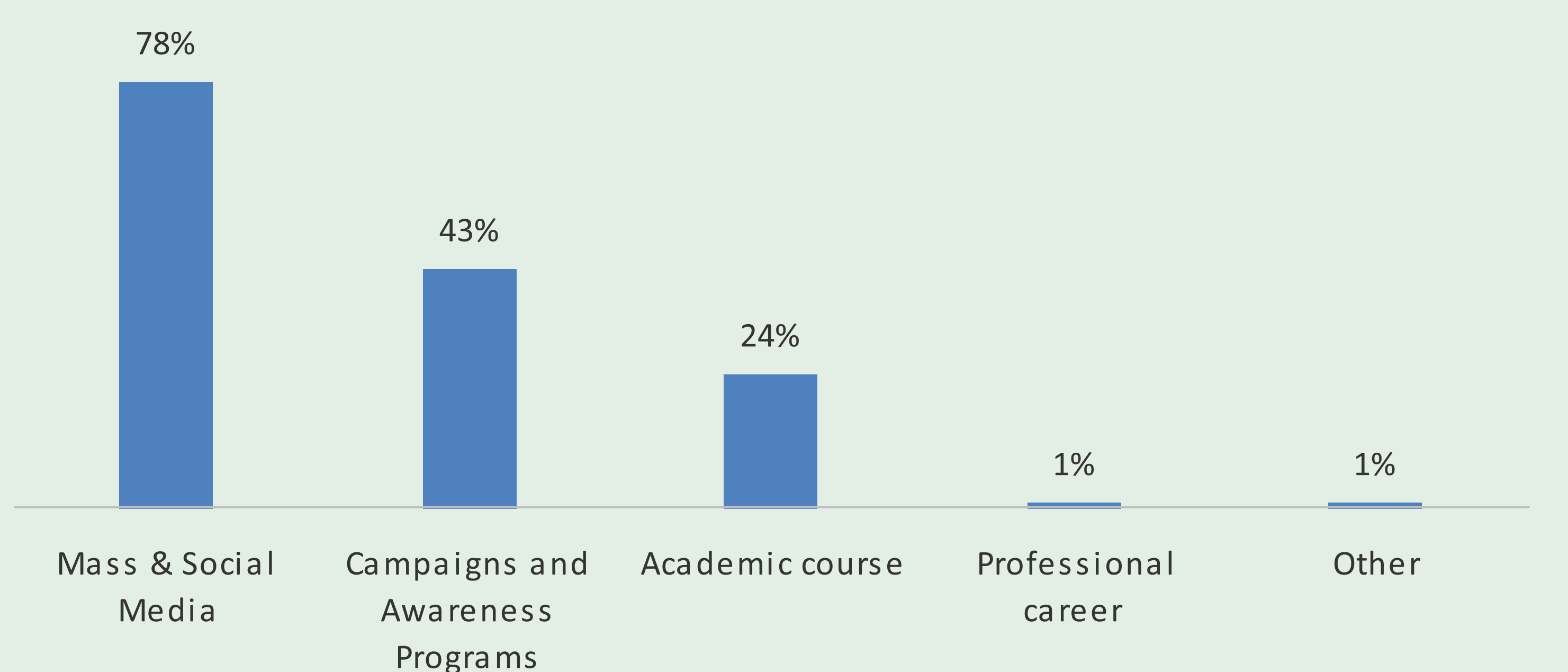


## Results

The data shows that majority of the respondents identified 'toilet flush' as the major source of wastewater generation and 77% said that the toilet flush ultimately ends up in rivers. More than 40% of respondents had not heard about wastewater management and also did not know that wastewater can be treated.



Means of awareness (n=2801)  
[Multiple responses allowed]



## Conclusion

While proper wastewater management, safe disposal and treatment are crucial, it is equally important to raise the awareness of general public and relevant stakeholders on wastewater management. The support from everyone is vital in taking actions for wastewater management and facilitating and accelerating the process of sustainable wastewater management.

The results indicated that the knowledge amongst people on wastewater management, its safe disposal and proper treatment is very low. Furthermore, only 8 percent of the people had the knowledge about inclusion of wastewater management charges in current water bill. And, 78% of the respondents said that they were aware about the issue through mass and social media.