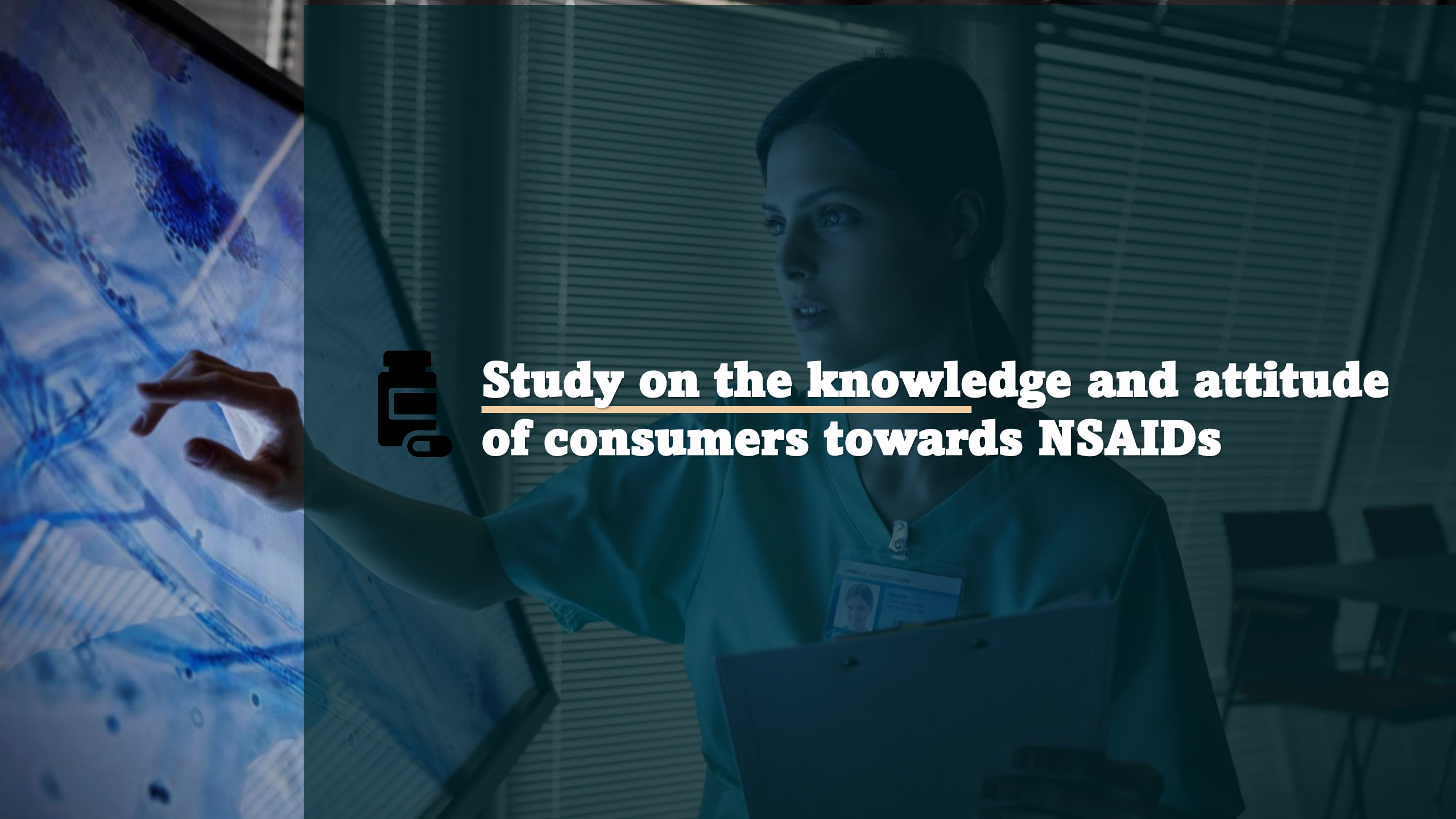




Study on the knowledge and attitude of consumers towards NSAIDs





BACKGROUND



- **Non-steroidal anti-inflammatory drugs (NSAIDs)** are the various maximum, not unusual place medicinal drugs used to deal with acute ache related to quite a few conditions, including **headache, muscle injury, dental ache, sore throat, and dysmenorrhea.**
- They also are used to deal with **persistent aches** or **infections** related to long-time period conditions, including **rheumatoid arthritis** and **osteoarthritis.**
- NSAIDs are to be had without a prescription as **over the counter (OTC)** merchandise in lots of countries.



LITERATURE REVIEW



- Reviewed **10 research papers, articles** and many other different blogs to collect the knowledge.
- The main topics of the review were **NSAIDs, OTC, paracetamol, aspirin.**
- Many papers mentioned about their **methods of survey.**
- Some survey had their results in **percentage** and some in the **sample size number.**
- **Secondary data** was also used in many papers and articles.



PROBLEM STATEMENT



In India, people of all age groups have taken **NSAIDs for granted** and have **misused them**, so the problem is what **attitude** and **mislead knowledge** has made this issue happen.

- a. wrong knowledge about NSAIDS.
- b. half or less knowledge about NSAIDS.
- c. misunderstood concepts of NSAIDS.
- d. frequent or overuse of NSAIDS.



RESEARCH QUESTIONS



1. What is the **level of knowledge** that consumers have about NSAIDs?
 - a. How well does consumers know about NSAIDs?
 - b. How has NSAIDs treated the consumers?
2. What **attitude** does a consumer tend towards NSAIDs?
 - a. What reactions consumers have observed?
 - b. How well NSAIDs have worked on different bodies?



OBJECTIVE



1. **To assess the knowledge of consumers about NSAIDs.**
 - a. What are NSAIDs according to the consumers?
 - b. When do they take NSAIDs?
 - c. Do they know about frequency in a day?

2. **To understand the attitude of consumers towards NSAIDs.**
 - a. What side effects do they observe while being under the medication of NSAIDs?
 - b. What brands they rely on for NSAIDs?
 - c. Do they take it under prescription or by self (without the prescription)?



RESEARCH METHODS



Study design	Descriptive
Data collection method	The data was collected by a semi-structured questionnaire.
Data analysis plan	Microsoft Excel was used for data cleaning and separation.
Data used	Primary data
Location of study	India
Sampling	Convenience/purposive sampling
Sample size	125

Stakeholders involved	People of age 20 years and above
Software used	Microsoft Excel, Google forms
Study duration	2 months
Ethical consideration	The data obtained in the study has only been used for the study purpose and the privacy of the respondents has been taken care of and confidentiality was strictly maintained. The study was performed only upon the approval by the mentor and the institute.
Limitation	Study design, stigmas related to the topic.



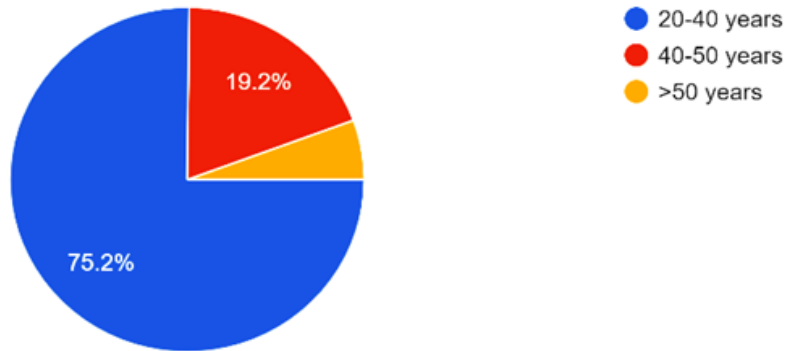
RESULTS AND DISCUSSIONS



DEMOGRAPHIC QUESTIONS

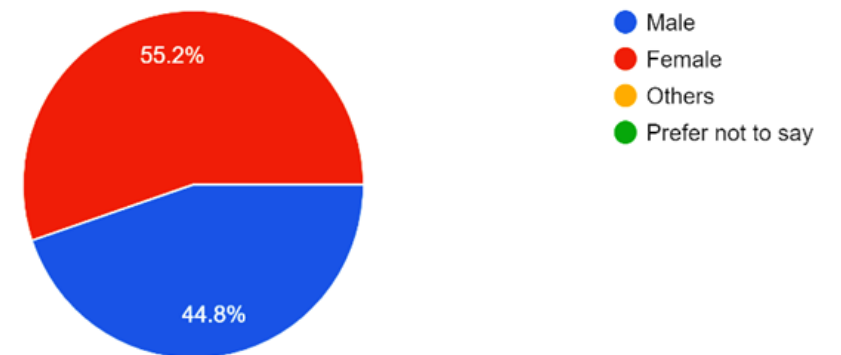
1. Which age group you belong to?

125 responses



2. Gender:

125 responses

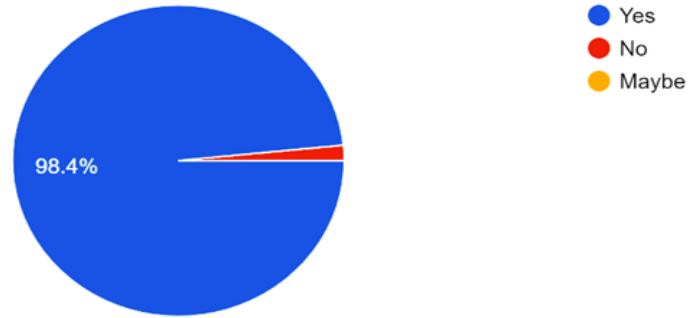


TARGET QUESTIONS



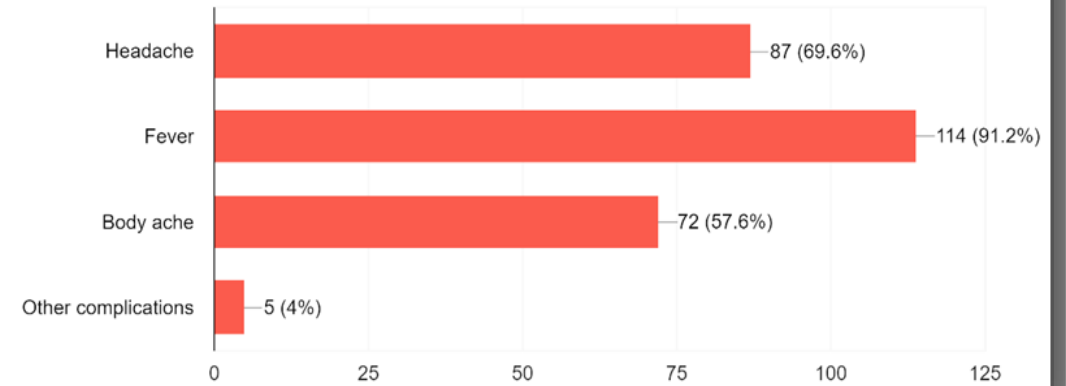
3. Have you ever heard about drugs like Paracetamol, ibuprofen, and aspirin?

125 responses



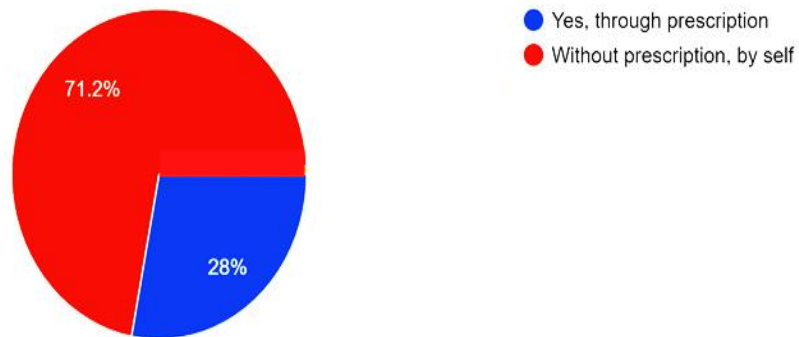
4. When do you take drugs like Paracetamol, ibuprofen, and aspirin?

125 responses



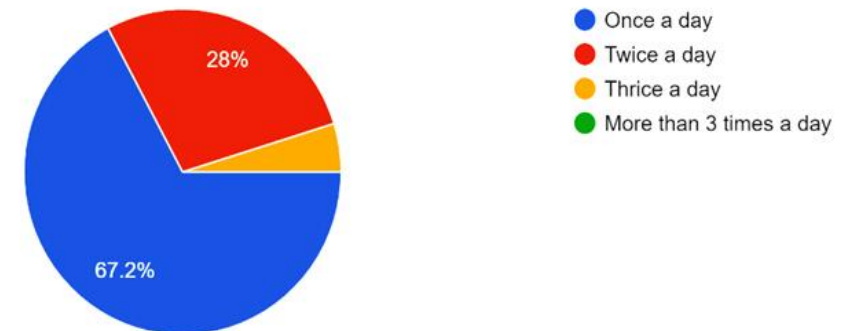
5. Do you take drugs like Paracetamol, ibuprofen, and aspirin through prescription or by self?

125 responses



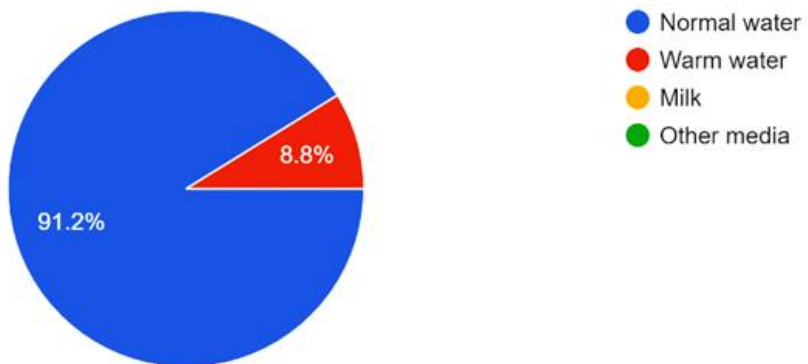
6. How frequently you take drugs like Paracetamol, ibuprofen, and aspirin in a day?

125 responses



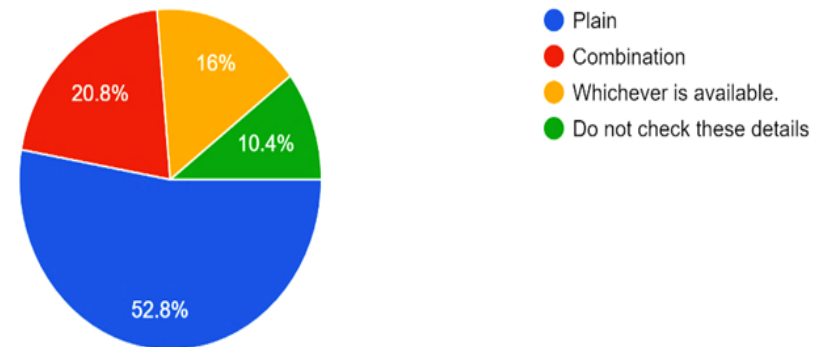
7. With what medium you take drugs like Paracetamol, ibuprofen, and aspirin?

125 responses



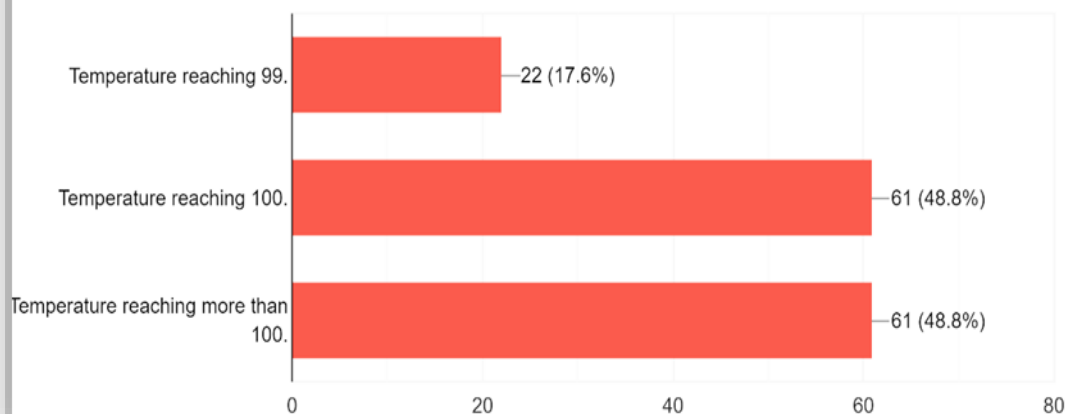
8. Do you prefer drugs like Paracetamol, ibuprofen, and aspirin plain or in combination with other drugs?

125 responses



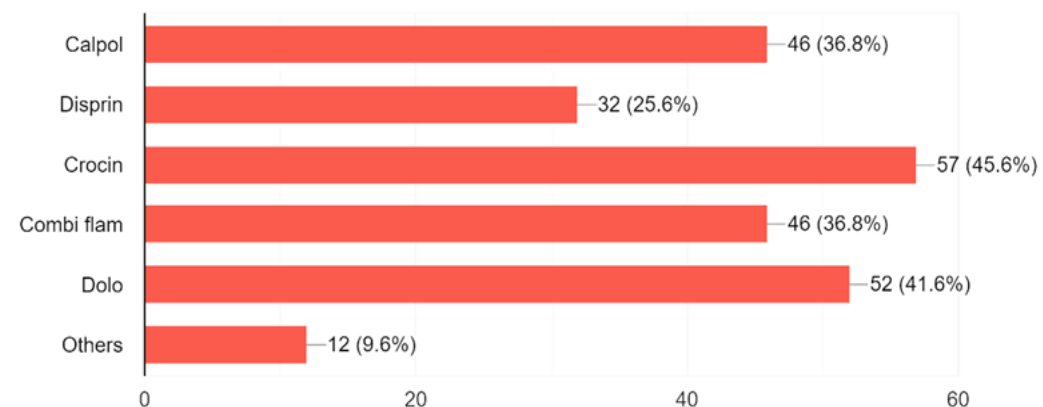
9. When do you prefer to take drugs like Paracetamol, ibuprofen, and aspirin in case of fever?

125 responses



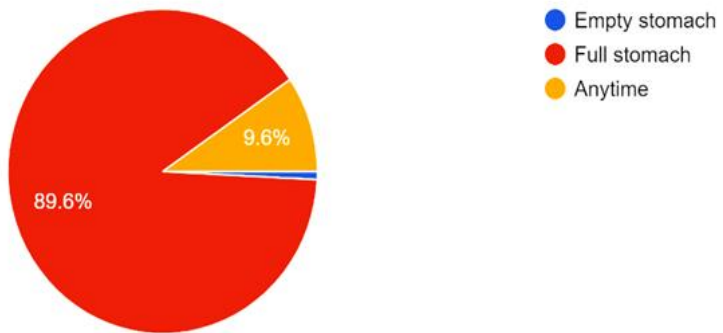
10. Which over the counter drugs you rely on?

125 responses



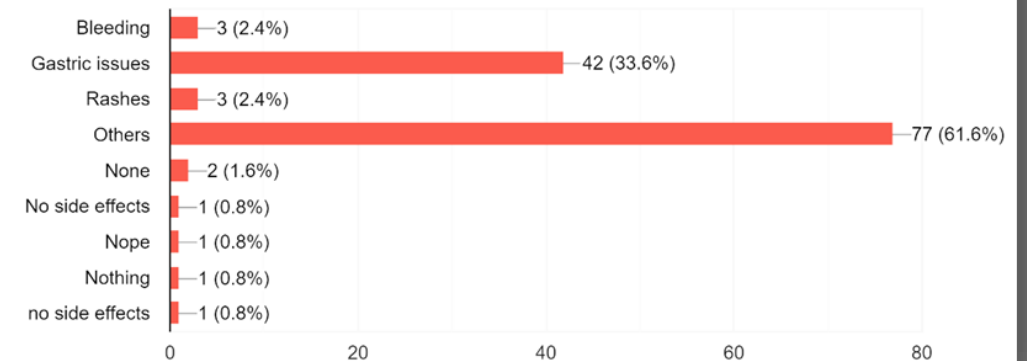
11. When do you take drugs like Paracetamol, ibuprofen, and aspirin?

125 responses



12. Have you felt any of the following side effects while taking drugs like Paracetamol, ibuprofen, and aspirin?

125 responses

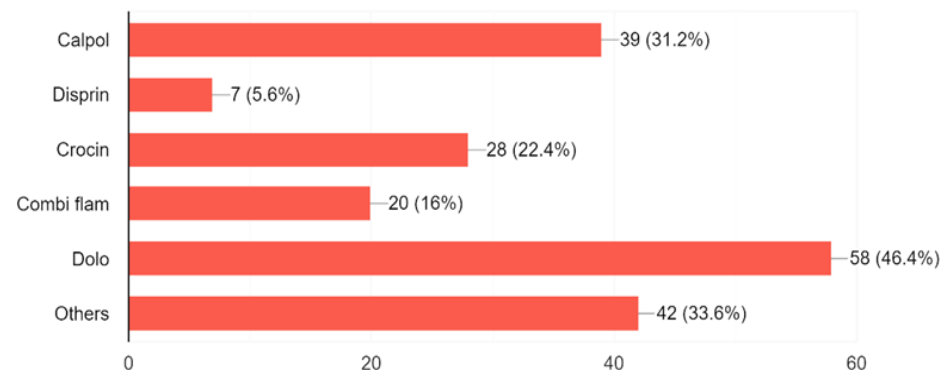


Questions specific to Covid-19



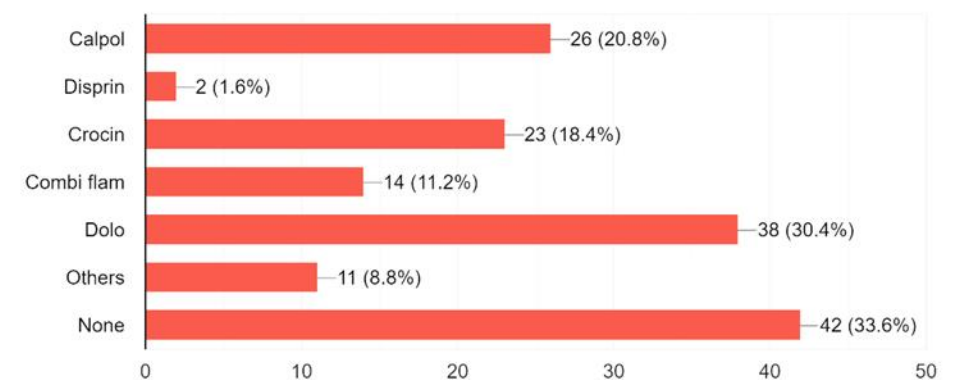
13. Which of following drugs, you were aware of to take in covid-19 complications?

125 responses



14. Which drug you took, if had post covid-19 vaccination fever or body ache?

125 responses





PRIMARY KEY FINDINGS



1. People are aware of **NSAIDs** and have used them in **many complications**. They are **available widely** and have various use because of which it is in the **knowledge** of maximum people.
2. Many respondents are not aware about the **major side effects** of NSAIDs and risk it **without a prescription** by taking it by themselves.
3. A huge amount of people **aware about the frequency** of the dose per day.
4. As we have found that many people took **NSAIDs with warm water** as well. In headache, fever and body ache, warm water could be an indication of having **complications of tonsils**, in which warm water can give them some relief.
5. Some people **do not check** the details of **combination or plain formulations**; they clearly take the one prescribed by registered medical practitioner or on the one they rely.



PRIMARY KEY FINDINGS



6. Many people **bear the temperature** when elevated to 99 degrees Celsius but as it reaches to 100 degrees Celsius or more, they refer to take **Paracetamol, Ibuprofen or Aspirin**.
7. It is clear enough that people **rely on over-the-counter NSAIDs** preferably to the mentioned brands, like Crocin, Dolo, Calpol, Combi flam, Disprin and some of the others as well.
8. People may **hesitate to visit a doctor** for such complications or consider them **not to be huge enough to visit** doctor as maximum of them take NSAIDs without prescription.
9. Either they **haven't felt the side effects**, or they must have taken it very proportionally so that not too many side effects could be responded to the body



PRIMARY KEY FINDINGS



10. People are **aware enough** that a NSAID should be taken in with **full stomach** for their action, probably they about no side effects of having them than **in empty stomach**.
11. In case of **Covid 19 pandemic**, all the mentioned brands were given **almost equal response**, but good amount of response was also given to the option of others. It is very clear that the public is either taking their reliable brands or a brand which is available in the market in case of pandemic.
12. In the case of post covid-19 vaccination when people were experiencing fever or body ache many people were not in the favor of taking any medicine but to bear the little complications, but maximum of our 125 respondents took help from NSAIDs to get relief from the complications.

THANK YOU



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