



SHARE A LITTLE
CARE A LITTLE
DONATE BLOOD



Community Service Report
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Community service for blood donation

Objective

To investigate how many people, have basic and desired knowledge about blood donation and their willingness to donate blood. Identify reasons which motivates them to donate blood and reasons which may reduce donor participation.

Initial steps and Planning

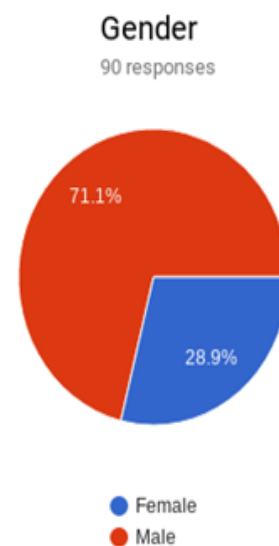
I conducted a survey in the society to know how many people have basic knowledge about blood donation. Survey covered questions regarding donors, agree as well as disagree, to donate blood and reasons behind their respective choices. To motivate maximum people for blood donation information was gathered through various questions in the survey.

Also, I spent some time in making the interesting crossword for the donors to keep them engaged while they are having their refreshments. This helped them to rest for enough time and get the right amount of sugar and energy in the premises of the camp they had donated. Keeping comfort in mind I also chose some fun riddles for the donors so that while they are donating blood they feel happy, light and easy in place of scared of pain of the overall process. Additionally, I displayed my survey results in the camp to share correct information about blood donation and make them aware about basic information before they decide about blood donation. To encourage them in future I will be selecting a winner from the participants of crossword puzzle and will give a surprise gift to them.

Learnings based on the data collected in Survey

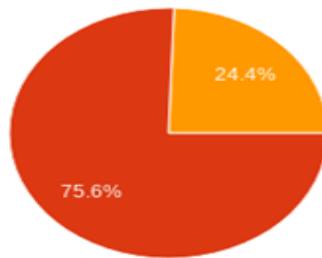
From the *Data collected through survey* I found that out of total respondents 71% population is male and 29% is female indicating **huge gap between female to male participants**. Female participants also mentioned that overall process of blood donation is painful. It was also found during data analysis that required **Hemoglobin in Female is lesser** than prescribed limits which disqualify them from blood donation.

This result means that **awareness program is required for female specifically** to make them aware about the opportunities to donate blood, its health benefits and encourage them to donate blood more frequently (every three or six months). Also, they must consider taking **rich diet to maintain right levels of Hemoglobin**.



Age

90 responses



- Under 18
- 18-40
- 41-65
- 65 years or above

Age category of **young people** between 18 to 40 **responded more** than between the age group 41 to 65.

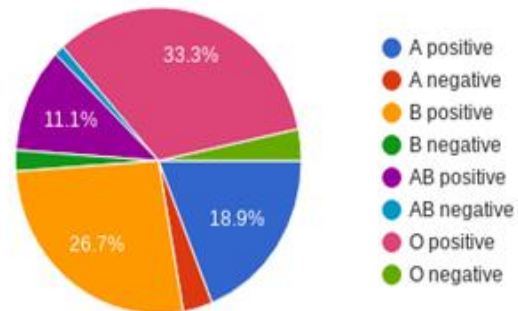
Data analysis indicated that they feel after 50 or 55 years of age they cannot or should not donate blood. However, they are not aware that the **maximum comfortable age to donate blood is 60 years**. This means they could donate for 5-10 more years but due to **lack of awareness** and understanding on the topic people stop donating after they turn 50 years. This reduces potential blood donors to society who are willing to donate blood.

Blood groups **A-, B-, AB- and O-** are rare or least **common** blood groups of people in the society, which is about 1-3%.

I **recommended** to the society that there is an immediate need of **capturing blood group data of all residents** so that for any patient of rare blood group, donors are available in case of any emergency. They agreed to this suggestion and arranging resources to make this data capture mandatory.

What is your blood group?

90 responses

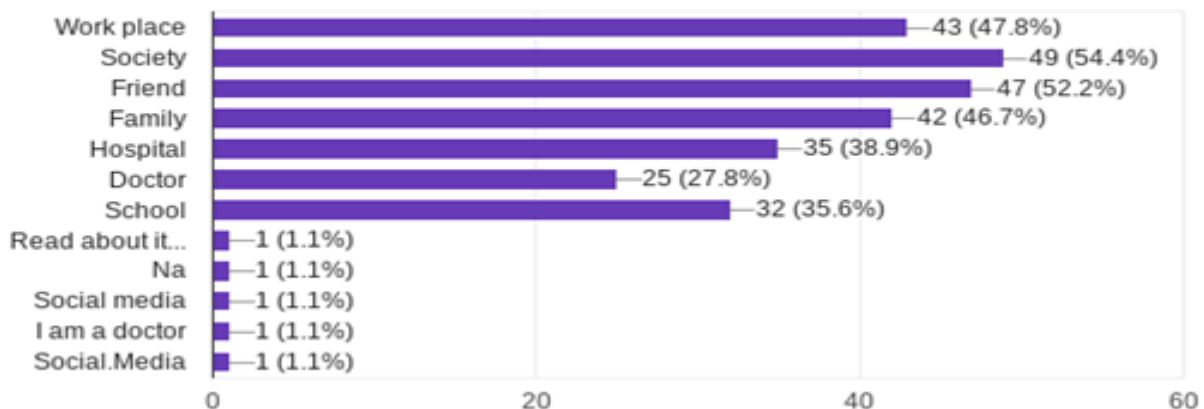


- A positive
- A negative
- B positive
- B negative
- AB positive
- AB negative
- O positive
- O negative

Majority people have heard about blood donation from their workplace, society, friend, family, hospital, doctor or school. Which means we can use some of these platforms to reach a larger number of audiences to spread awareness about blood donation and how needed and beneficial it is for the society.

Who did you hear from?

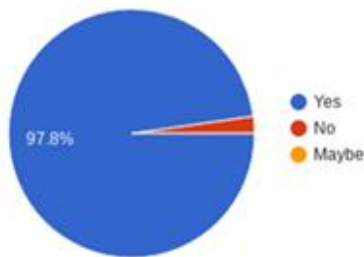
90 responses



Many donors have heard about blood donation but [do not donate blood every three months](#) as they think 6 months is the least recommended (as displayed in below figure to the right side). Out of total 90 responses 62% are aware that they may donate blood every three months. This clearly indicates that awareness about frequency of blood donation of 3 months may [convert potential 38% willing donors](#) into increased numbers. This also indicates that how motivated people are to donate blood, even though most are informed that the right time gap is 3 months they still do not attempt to follow the routine. Therefore, [regular motivational programs](#) are required to increase number of donors.

Have you ever heard about blood donation or read about it anywhere?

90 responses



How frequently can someone donate blood?

90 responses

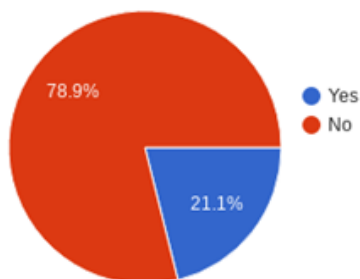


Below data found that [21% of the people have denied donating](#) blood when asked because of various health reasons, fear and not having enough time to donate blood.

For this problem I feel that most people are busy in work which resulted they do not donate, and we can [use workplace as a platform](#) to get more donors and will not affect the donor's work or business timings. Having a camp for blood donation in societies, workplaces and public places every three months can drastically help improve the number of donors from diverse places with all blood groups available.

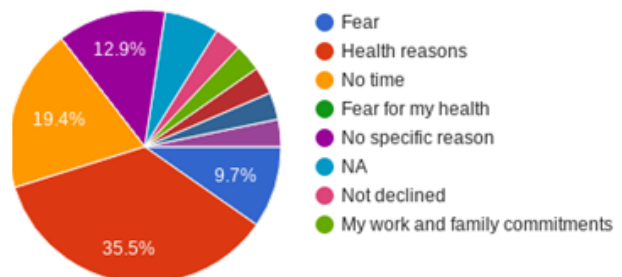
Have you ever denied to donate blood when asked?

90 responses



Why did you decline?

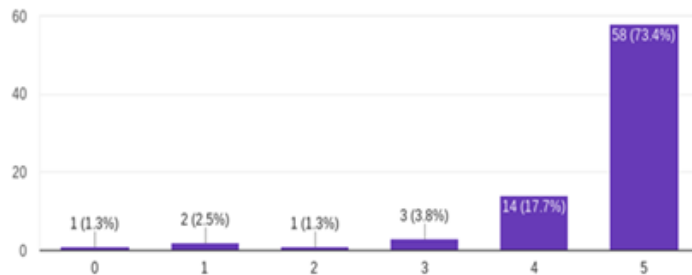
30 responses



Data below indicates that 83% of the donors are repeated but 17% have not donated before even though they knew about blood donation or had the information about it. When asked for the satisfaction level from the donors on a scale of 1-5, where 5 being the maximum than 73% of the people said that they had a satisfactory level of 5, 17% had a satisfactory level of 4. This indicates that most donors feel satisfied with the arrangements and on their contribution to the society.

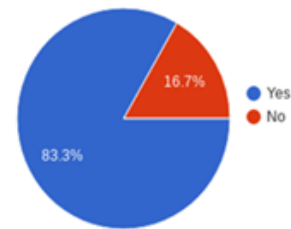
How satisfied were you after donating blood?

79 responses



Have you ever donated blood before?

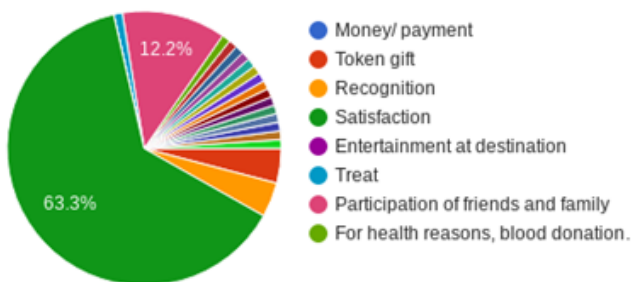
90 responses



Very less number 8.9% of people found it a painful or dangerous process to donate blood which indicates there are only rare cases while 85% people feel satisfied. During survey I asked an interesting question that what could motivate them to donate blood than 68% people said satisfaction is enough. However, 4% people wanted a token or gift and another 4% people wanted some recognition for their donation, additionally, 13% people wanted their family to participate for the donation which would motivate them also to donate.

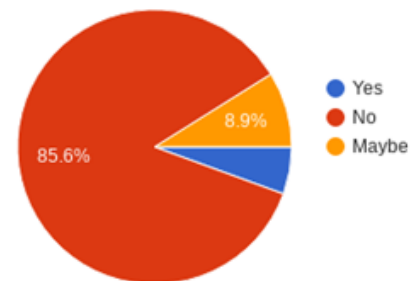
what would motivate you to donate blood more frequently?

90 responses



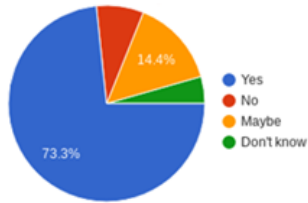
Do you think it is painful or dangerous to donate blood?

90 responses

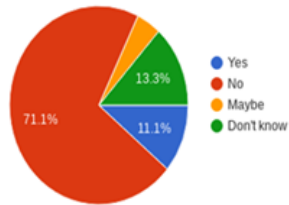


Below data analysis indicates that majority of population around us is aware of demand and supply gap of blood, health situations when to avoid donating blood and ready to donate blood if comfortable time and place is provided to them.

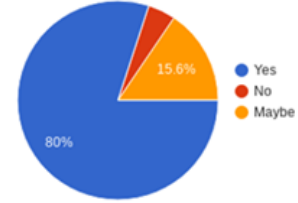
Do you think there is a Demand Supply gap for blood? 90 responses



Can you donate blood when suffering with cold, flu, sore throat, stomach bug or any other infection? 90 responses

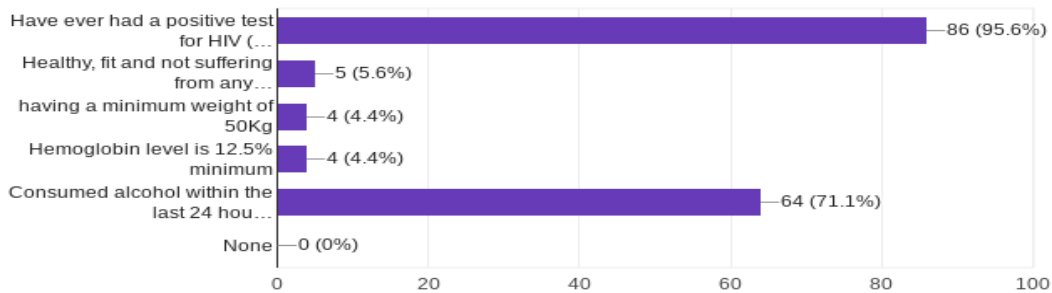


Will you donate blood if a camp is organized in your community? 90 responses



In which situations a person CAN'T donate blood?

90 responses



Activities done during blood donation camp

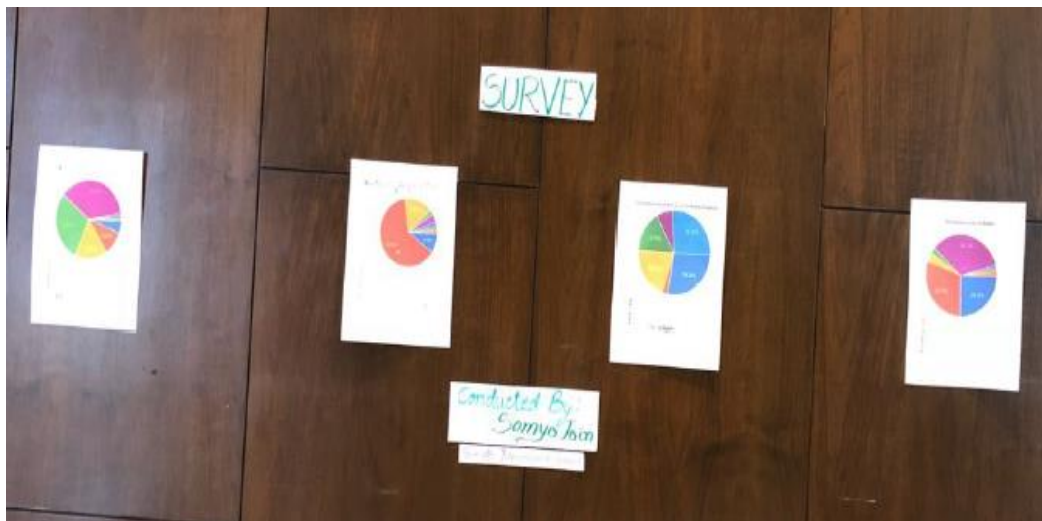
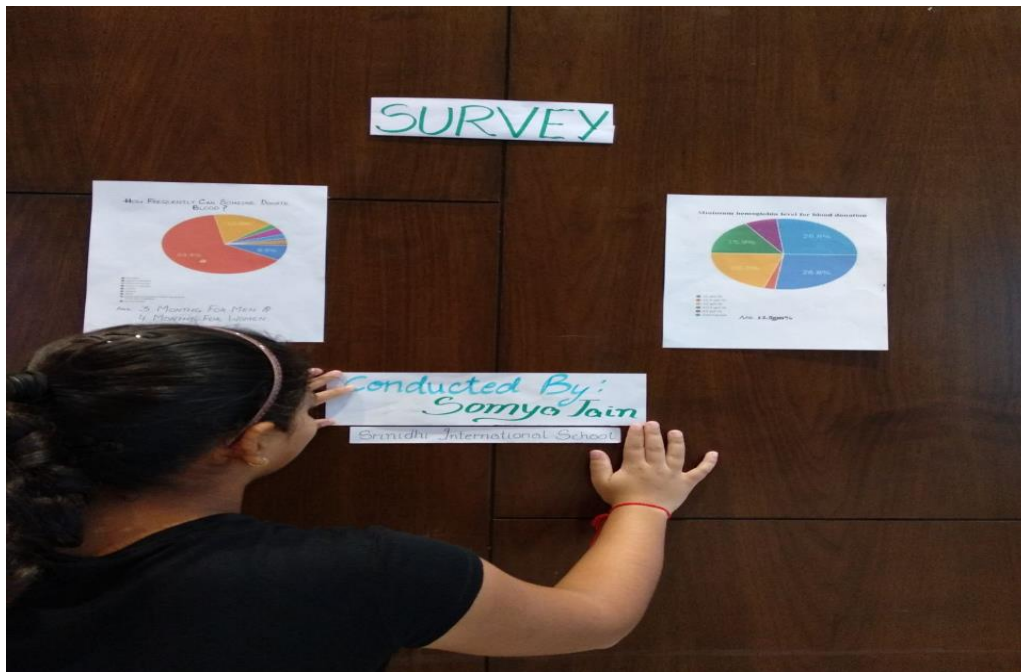
During the camp I had asked riddles from the donors to engage them while they are donating blood. Also, made a crossword for them to solve when they are taking rest and having refreshments so that they do not rush out directly after donating blood which can be dangerous as per medical experts.



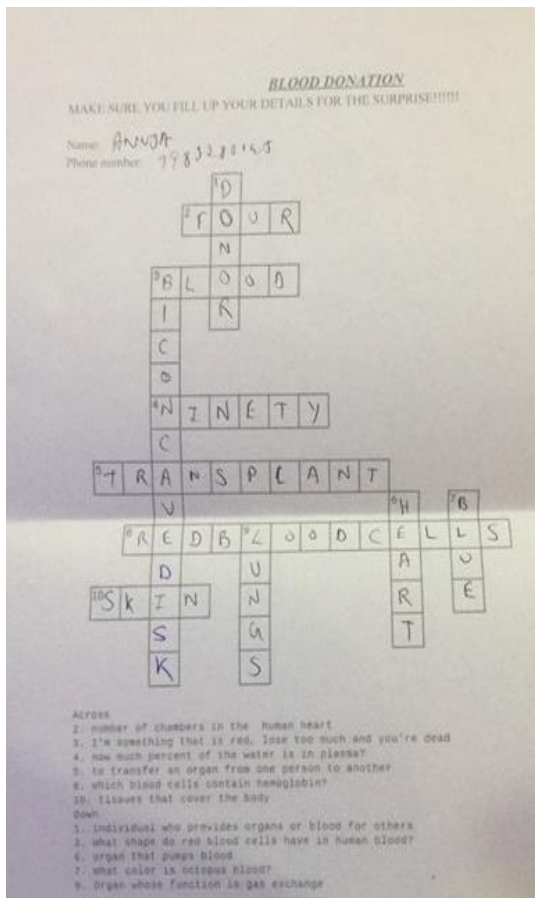
Providing necessary refreshment and cross word to solve by one of the enthusiastic blood donors. Participating donors are solving cross word in next picture.



Donors are asked with interesting blood related and questions to engage them while donating blood. Also, Survey displayed during blood donation camp in below picture.



Below pictures of participating team of Doctors and Volunteers from **Aarohi blood bank**. Also, Cross Word and Riddles asked during Camp to keep donors engaged.



Riddles

1. I'm something that is red, lose too much and you're dead - **blood**
2. I come out at night, I am not human nor animal, I rarely eat I only drink, I can only be found at night, I will glow in sunlight. What am I? - **a vampire**
3. I walk through walls, I live in the sky and look over my family when I die. What am I? - **A spirit.**
4. Which blood type is the least common? - **AB-**
5. Which protein causes blood to clot? - **Fib-rino-gen**
6. How much percent of the water is in plasma? - **90%.**
7. What shape do red blood cells have in human blood? - **biconcave disk with a flattened center (a red blood cell looks like a donut). Production of red blood cells is controlled by erythropoietin, a hormone produced primarily by the kidneys.**
8. What color is octopus blood? - **Blue**
9. Which blood cells contain hemoglobin? - **Ery-thro-cytes/ Red blood cells**
10. Which blood group is known as "u-ni-ver-sal donor"? - **O**
11. I fly without feathers; Sleep when you're awake; I'm not a mosquito and neither a needle, But blood I'm known to take. What am I? - **Bat**
12. I am a man without bones, without blood, without life. My flesh is cold, white and shrinking. What am I? - **Snowman**
13. I dig out tiny caves and store gold and silver in them. I also build bridges of silver and make crowns of gold. They are the smallest you could imagine. Sooner or later everybody needs my help. Yet many people are afraid to let me help them. - **Dentist**
14. What is long and slim, works in light. Has but one eye, and an awful bite? - **Needle**
15. What lies in a tunnel of darkness. That can only attack when pulled back? - **Bullet**
16. What has six faces and twenty-one eyes? - **Dice**
17. They bring oxygen in blood. - **Lungs**

Conclusion and recommendations

Based on above shared data and my volunteering experience in blood donation camp I came to know that most people are not aware about the right needed information about donating blood. A [knowledge awareness program](#) is highly recommended in school, collages, public places and at workplaces where people are made aware about benefits of donating blood. I think many people want to know [authenticity and right utilization](#) of their donated blood, therefore, a process is required which may [communicate to donor that his/her blood is donated to needy](#).

Comparing survey and final turnaround of donors I found that 80% people out of 90 people said that they would donate blood if a camp is organized in the community, which is 71 people. But in the donation camp held 21 people donated blood. Which means 50 donors were missing out of the potential list of donors. When investigated it was found that a big running event was organized on same day in which most of these donors were participating. Therefore, my recommendation is that [camp organizers must check for any conflicting big event, which may result in less turnaround donors](#).

With this information we can conclude that we may [conduct many blood donation camps](#) in public places, offices, communities, schools or even hospitals. Through these camps we should not only collect donated blood but also make people [aware](#) about blood donation. Also, encouraging activities, recognition and small gifts could be arranged for the donors for [improved participation](#). Additionally, people should be encouraged to donate and spread the word to donate around them to [decrease demand and supply gap of blood](#).

Citations:

World Health Organization, World Health Organization, www.who.int/who-campaigns/world-blood-donor-day/2018.

"Aarohi Blood Bank." *Aarohi Blood Bank*, www.aarohibloodbank.org/.



THANK YOU!
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