

# Who Gets the Heart?

## Organ Allocation Activity

*The United Network for Organ Sharing (UNOS) is the organization which helps Lifeline of Ohio match organ donors to recipients. Read through the scenario below and the criteria UNOS uses to match organ recipients to an available organ for transplant. Use the information on the candidate cards to help match the donor heart with the awaiting candidate.*

**Please read the following scenario:** A 23 year old girl was critically injured in an automobile accident. At the hospital, she was unable to breathe on her own and was placed on a ventilator. Doctors did everything possible to save her life. Tests were conducted to see how much damage had been done to her brain. Those tests revealed the damage to her brain was so severe, she had died. The local organ recovery organization was called and they determined she had an opportunity to be an organ donor. Her family was consulted and they decided to donate her organs and tissues to help others in need.

### **DONOR INFORMATION:**

23 year old female from Columbus, Ohio

Blood Type: B

Body Size: 5'6" and 141lbs

### **UNOS Criteria for Matching Organs**

#### **Blood Type:**

Find all the candidates with a blood type compatible with the donor. A recipient with blood type **B** can receive an organ from a donor with blood type **B** or **AB**. Remove all candidates that do not have a compatible blood type.

#### **Organ Size:**

The candidate must be similar to the donor in size. From the candidate cards you have left, find all the candidates whose ACTUAL WEIGHT does NOT fall in between a weight range of 100-200lbs. Remove those cards from the pile. Those candidates are either too large or too small.

#### **Geographic Location:**

Once removed, a heart can only be kept viable for transplant, for 4-6 hours. This includes transportation and transplant time. A candidate must be within a 1,200 mile radius from the donor. From the candidate cards you have left, remove any recipients located too far away from the donor.

#### **Status/Medical Urgency:**

Patients in need of a heart transplant were categorized based on how sick they are. Of these meeting the criteria above, the sickest patient will be transplanted first. A **status 1** patient is very sick and will only leave the hospital by receiving a transplant, or as one of the 20 people who die each day waiting for an organ transplant. From the candidate cards you have left, locate the patient who is Status 1.

**Which candidate will get the call telling them they are about to receive the gift of life?** \_\_\_\_\_



Candidate #1

<b>Age/Gender</b>	32/Female
<b>Hospital Location</b>	Los Angeles, CA
<b>Race</b>	Hispanic
<b>Blood Type</b>	AB
<b>Status</b>	2
<b>Height</b>	5' 10"
<b>Weight Range</b>	140-300 lb.
<b>Actual Weight</b>	190 lb.
<b>Waiting Time</b>	1 year



Candidate #2

<b>Age/Gender</b>	7 months/Female
<b>Hospital Location</b>	Cleveland, OH
<b>Race</b>	African American
<b>Blood Type</b>	B
<b>Status</b>	1
<b>Height</b>	28"
<b>Weight Range</b>	15-40 lb.
<b>Actual Weight</b>	21 lb.
<b>Waiting Time</b>	6 months



Candidate #3

<b>Age/Gender</b>	44/Female
<b>Hospital Location</b>	Cleveland, OH
<b>Race</b>	Caucasian
<b>Blood Type</b>	A
<b>Status</b>	1
<b>Height</b>	5' 6"
<b>Weight Range</b>	110-200 lb.
<b>Actual Weight</b>	145 lb.
<b>Waiting Time</b>	2 years



Candidate #4

<b>Age/Gender</b>	29/Male
<b>Hospital Location</b>	Toledo, OH
<b>Race</b>	African American
<b>Blood Type</b>	O
<b>Status</b>	2
<b>Height</b>	6' 2"
<b>Weight Range</b>	150-350 lb.
<b>Actual Weight</b>	215lb.
<b>Waiting Time</b>	2 months



### Candidate #5

<b>Age/Gender</b>	44/Male
<b>Hospital Location</b>	Cleveland, Ohio
<b>Race</b>	African American
<b>Blood Type</b>	B
<b>Status</b>	1
<b>Height</b>	5' 9"
<b>Weight Range</b>	130-230 lb.
<b>Actual Weight</b>	168 lb.
<b>Waiting Time</b>	16 days



### Candidate #6

<b>Age/Gender</b>	62/Male
<b>Hospital Location</b>	Columbus, OH
<b>Race</b>	Caucasian
<b>Blood Type</b>	B
<b>Status</b>	2
<b>Height</b>	6' 0"
<b>Weight Range</b>	140-300 lb.
<b>Actual Weight</b>	200 lb.
<b>Waiting Time</b>	8 months



### Candidate #7

<b>Age/Gender</b>	32/Male
<b>Hospital Location</b>	Phoenix, AZ
<b>Race</b>	Native American
<b>Blood Type</b>	B
<b>Status</b>	1
<b>Height</b>	5' 10"
<b>Weight Range</b>	100-200 lb.
<b>Actual Weight</b>	173 lb.
<b>Waiting Time</b>	6 months



### Candidate #8

<b>Age/Gender</b>	15/Female
<b>Hospital Location</b>	Philadelphia, PA
<b>Race</b>	Caucasian
<b>Blood Type</b>	B
<b>Status</b>	3
<b>Height</b>	5' 6"
<b>Weight Range</b>	120-200 lb.
<b>Actual Weight</b>	125 lb.
<b>Waiting Time</b>	14 months