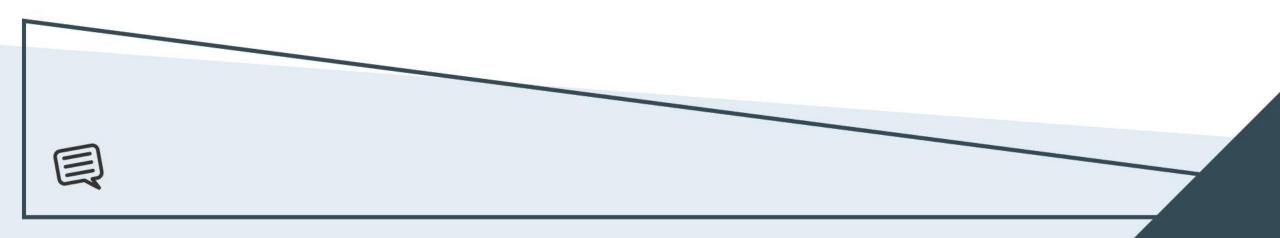
BEAHERO. SAVEALIFE.



One person who chooses to be an organ and tissue donor can save or heal up to 83 lives.



Common Donation Vocabulary

Organ and Tissue Donor:



Someone who died and was able to donate organs to save up to eight lives and tissue grafts to provide healing to up to 75 others.

What organs can be transplanted?

- Kidneys (two)
- Lungs (two)
- Heart
- Liver
- Pancreas
- Small intestine

What tissue grafts can be transplanted?

- Bone grafts for cancer patients
- Skin grafts for burn victims
- Ligaments to restore mobility
- Heart valves for blood flow
- Corneas to restore sight

Common Donation Vocabulary



Living Donor:

A living person who chooses to donate one kidney or part of their liver, lung or pancreas to help someone waiting for a lifesaving organ transplant.

A living donor can still lead an active, healthy life!

Recipient:

A person who receives the gift of an organ or tissue transplant from a donor hero.

A recipient is given a second chance to walk, dance, travel and even run again.

Common Donation Vocabulary



Transplant Waiting List:

The national list of people waiting for a lifesaving organ transplant.

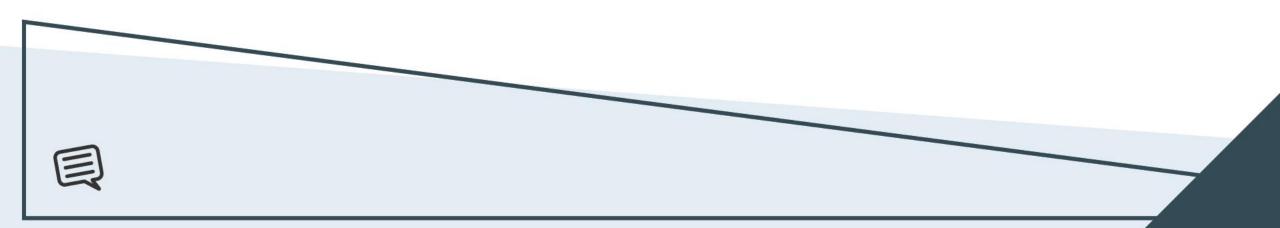
There are over 100,000 people awaiting a lifesaving transplant.

Recovery:

A surgery to remove lifesaving organs and tissue grafts for transplantation.

Recovery happens in an operating room after a donor has died.

Now, let's get started!



There are over 100,000 adults and children waiting for a lifesaving organ transplant – more than enough people to fill Lucas Oil Stadium two times!

STROADENNE

Patients Awaiting Transplants

Organ	National	Indiana
Heart	4,007	69
Heart/Lung	43	0
Lung	1,402	9
Liver	13,902	83
Kidney	95,400	1,117
Kidney/Pancreas	1,675	14
Pancreas	895	12
Intestine	250	4

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An average of **22 people die each day** in the U.S. because the lifesaving organ transplant they needed was not available in time.

What can I do to help?

- Talk to your family about organ and tissue donation.
- Educate others about this important topic.
- After discussing with your parents, decide if you want to register as a donor.

How do people register as a donor?

- At a license branch (BMV).
- Online at DonateLifeIndiana.org.
- On the "Health app" on an iPhone.



Using the pictures below, can you name the eight lifesaving organs that can be donated and transplanted? (Click to advance the slide to see the correct answers.)



KIDNEYS (2)



LUNGS (2)



PANCREAS

HEART



LIVER

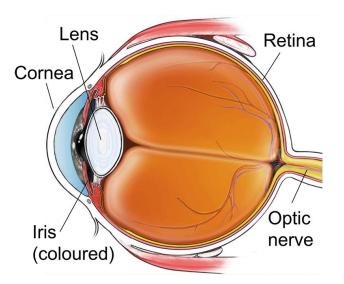


SMALL INTESTINE



Can you also name tissue grafts that heal up to 75 others? (Click to advance the slide to see the correct answers)

- **Heart valves**: Transplanted heart valves replace diseased valves and improve blood flow through the heart.
- **Bone grafts**: These grafts are used by surgeons to repair or replace bone after serious injury, bone cancer or crippling disease.
- **Skin grafts**: These help patients with severe burns by providing a temporary covering, decreasing pain and lowering the chance of infection.
- **Corneas**: Cornea transplants restore sight for people whose corneas have been damaged by disease, infection or injury. (The cornea is the transparent tissue on the front of the eye that covers the iris and pupil.)
- Ligaments and tendons: These tissue grafts are used to repair knee and joint injuries, restoring mobility for injured athletes and others.



I GET TO ENJOY SPORT **HIGH SCHOO AND BEING** HOOSIER TEENAGER

BECAUSE SOMEONE SAID 'YES' TO BEING A DONOR AND SAVED MY LIFE.

DAVID PECK, INTESTINE RECIPIENT

Indian

This is David Peck, who's 18. His life was saved because of an organ donor hero.

At just two years old, he received one of the first small intestine transplants.

Can you identify organs that are <u>NOT</u> commonly donated and transplanted? (Click to advance the slide to see if you are correct.)

- Appendix
- Gallbladder
- Spleen
- Brain
- Large intestine
 - Stomach

ARE sometimes transplanted as part of multivisceral/multi-organ transplants

When they encounter a Or it can signal for Antibodies are created by Foreign invader, the antibody the immune system to target other immone cells to latches on to the protein or come help attack the Foreign invaders in the body, cell to block it from working. like a bacteria or virus. Foreign invader. Antibodies are a powerful defense system that keeps our bodies healthy.

Illustrated By: Maki Naro

As an organ recipient, David's immune system will target his new organ as an antigen, or disease-causing invader, therefore he must take antirejection or immunosuppressant medications.

In order for David to receive an organ transplant, his donor needed to have a <u>compatible blood type</u> to reduce the chance of David's body rejecting the organ. Use the chart below to answer the following questions.

1. What is the universal donor blood type? (All recipients could potentially receive from this donor)

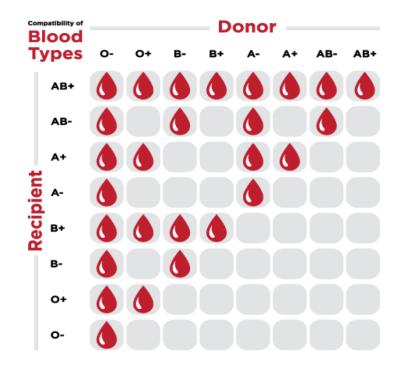
2. If David's blood type was B+ (B Positive), what blood type could his donor have had?

(Click to advance the slide to see if you were correct)

Answers:

1. O- (O Negative) is the universal donor blood type

2. Compatible blood types for David's organ transplant were: O- (O Negative), O+ (O Positive), B- (B Negative), B+ (B Positive)



Selena Gomez received a kidney donation from a living donor – her best friend.

CNN's Debra Goldschmidt contributed to this story

Click on the link below to watch a video about a living donor and transplant recipient.

For the video to play, you must be in slide show/presentation mode <u>before</u> clicking.

Living Donor Transplant Story: A Second Chance at Life



Using the pictures below, can you identify organs that can be donated from a living donor?

To see if you are correct, click to advance the slide.



ONE KIDNEY



A PARTIAL LUNG LOBE



A PARTIAL LIVER The living donor's liver will regrow to its original size after only a few months! The liver regrows or regenerates because of a cell process called _____? (Advance the slide to check your answer.)

MITOSIS: A process where a cell divides into two cells and produces identical copies of itself. The purpose is for growth to replace wornout cells.

Click on each link to watch real-life Indiana donation and transplantation stories.

For videos to play, you must be in slide show/presentation mode <u>before</u> clicking.

- Miss Indiana's mother awaits a transplant
- Haleigh Mann's mother becomes a donor hero
- Justin Langford leaves his legacy
- Father of six receives a kidney transplant
- Mother sees again: Cornea transplantation
- Big Steve, college basketball star and donor hero

Want to learn more? Click on each link below.

For videos to play, you must be in slide show/presentation mode <u>before</u> clicking.

- Donation process
- Donate Life Indiana
- <u>The Indiana Registry</u>
- Donate Life America
- U.S. government information

Do you have questions, want additional resources or know someone interested in booking a free Donate Life Indiana speaker?

Visit donatelifeindiana.org/teachers.

