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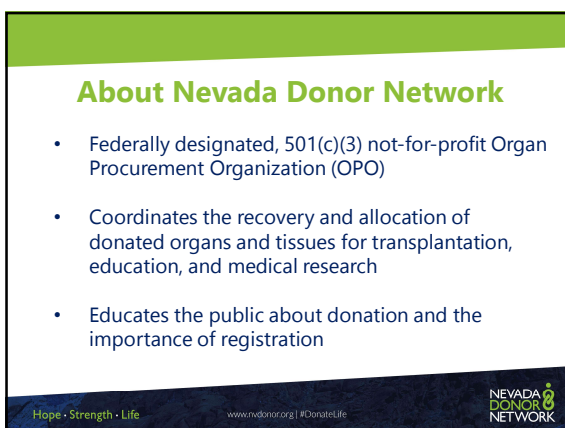
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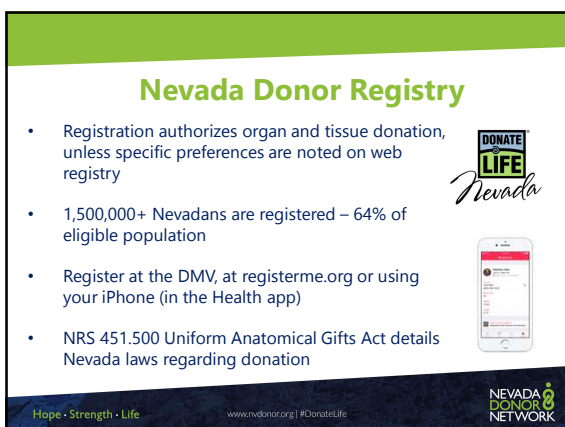
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### Types Of Donation

- Organ donation after brain death
  - Occurs in a hospital
- Organ donation after circulatory death
  - Occurs in a hospital
- Tissue & ocular donation
  - Can take place up to 24 hours after asystole
  - Occurs in a hospital or in a recovery suite
- Other
  - Living donation, whole body donation

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### The Need For Transplanted Organs

Total U.S. Waiting List: 106,742 (10/14/2021)	
Kidney	90,299
Liver	11,747
Heart	3,493
Kidney/Pancreas	1,799
Lung	991
Pancreas	846
Small Intestine	208
Heart/Lung	38

**591**  
Nevadans  
waiting for a  
transplant

Data Source:  
<http://optn.transplant.hrsa.gov>

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### WHAT CAN BE DONATED ORGAN DONATION

	USES	BENEFITS
<b>LIVER</b>	 <ul style="list-style-type: none"> <li>Chronic hepatitis with cirrhosis</li> <li>Primary biliary cirrhosis</li> <li>Biliary atresia</li> <li>Sclerosing cholangitis</li> </ul>	A transplant can allow patients to live a normal, fully functioning life after transplant.
<b>HEART</b>	 <ul style="list-style-type: none"> <li>Severe coronary artery disease</li> <li>Congenital heart disease</li> <li>Dilated cardiomyopathy</li> </ul>	Many heart transplant recipients lead long and productive lives.
<b>LUNGS</b>	 <ul style="list-style-type: none"> <li>Chronic obstructive pulmonary disease</li> <li>Idiopathic pulmonary fibrosis</li> <li>Cystic fibrosis</li> <li>Idiopathic pulmonary arterial hypertension</li> </ul>	After a lung transplant, the majority of recipients have no limitations on their physical activity.

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## WHAT CAN BE DONATED ORGAN DONATION

	USES	BENEFITS
<b>PANCREAS</b> 	Type 1 Diabetes with end-stage renal disease	A pancreas transplant can cure diabetes and eliminate the need for insulin injections after transplant.
<b>KIDNEYS</b> 	Chronic kidney disease High blood pressure Diabetes	Kidney transplant eliminates the need for dialysis treatments.
<b>INTESTINES</b> 	Life-threatening complications from total parenteral nutrition (TPN)	Intestinal transplant recipients are able to transition to an oral diet and resume normal activities of daily living.

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## Facts About Organ Donation

- Organ donation can only take place in a hospital, and primarily occurs following brain death. Brain death may occur as a result of:
  - Head trauma (car accident, gunshot wound)
  - Intra cranial hemorrhage (aneurysm, head injury, hypertension)
  - Brain tumor
  - Anoxia (drowning, overdose, hanging, heart attack, respiratory disease)

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## EMS Role in Organ Donation

What can you do to affect organ donation?

- Perform all life-saving protocols
- Transport patient to a hospital
- Provide detailed report to hospital of all actions taken

You are already impacting organ donation everyday with your lifesaving efforts in the field!

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**Aric Brill**  
January 29, 1993 to February 20, 2009



On February 20, 2009, Aric was shot as he and his friends walked home from a birthday party.

The first police officer on scene performed CPR until medical personnel arrived. Because of the first responders' efforts, Aric's organs remained viable for donation.

Aric donated his heart, liver, lungs, kidneys and pancreas.

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**TISSUE DONATION**

	TYPE OF TISSUE	USES	BENEFITS
<b>BONE/CONNECTIVE TISSUE</b>	Femur Tibia Fibula Humerus Radius Ulna Hemi-pelvis Fascia lata Tendons & ligaments	Trauma Fractures Tumors Degenerative bone disease Dental surgery Bladder sling procedures Hernia repair Sports injuries	Promote healing Restore mobility Prevent amputation
<b>EYES</b>	Cornea Sclera Whole globe	Corneal perforation Pseudophakic bullous keratopathy Keratoconus Corneal degeneration Corneal scarring due to keratitis & trauma	Restore sight
<b>HEART VALVES</b>	Aortic valve Pulmonary valve	Congenital heart disease Valvular heart disease	No rejection No anticoagulation therapy needed Treatment of choice for children Low risk of infection

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**TISSUE DONATION**

	TYPE OF TISSUE	USES	BENEFITS
<b>PERICARDIUM</b>	Pericardium	Repair defects caused by trauma Neurosurgery	Promote healing Enhance life
<b>BLOOD VESSELS</b>	Saphenous vein Femoral vein	CABG procedures Peripheral vascular disease AV access	Restore circulation
<b>SKIN</b>	Skin	Burns Abdominal wall injuries Reconstructive surgery after mastectomy	Promote healing Prevent fluid loss Decrease infection and pain

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## Healing or Life Saving?

Jason Schechterle is a former Phoenix police officer. In 2001, a taxi smashed into his patrol car, causing it to burst into flames. Nearly everyone on the scene said the crash should have killed him. He had 4<sup>th</sup> degree burns to over 40% of his body. Donated skin grafts saved his life.



Source: Burningshield.com

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## Hospital Death Referrals

### Timeline From Death to Post-Transplant



<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Death Occurs</b>	<b>Hospital calls OPO</b>	<b>Registry Check</b>	<b>Family Discussion</b>	<b>Recovery Occurs</b>	<b>Transplant</b>	<b>Aftercare</b>
Death occurs at hospital	Hospital calls OPO to report death	OPO checks registry and evaluates medical history	OPO discusses donation with family and completes medical/social history	Organ and/or tissue recovery occurs	Transplant, Research, or Education of gift	Aftercare for family

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## Out-of-Hospital Death Referrals



<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Death Occurs</b>	<b>OPO is not Called</b>	<b>Registry Check</b>	<b>Family Discussion</b>	<b>Recovery Occurs</b>	<b>Transplant</b>	<b>Aftercare</b>
Death occurs outside of hospital	OPO is not notified of death and option for donation is not discussed	OPO checks registry and evaluates medical history	OPO discusses donation with family and completes medical/social history	Organ and/or tissue recovery occurs	Transplant, Research, or Education of gift	Aftercare for family

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### The Missing Link

- In order to receive Medicare funding, hospitals are **REQUIRED** to notify their OPO about all deaths and all patients meeting certain clinical triggers
- Deaths that occur outside of hospitals are **NOT REQUIRED** to be reported to an organ or tissue procurement organization, and so most are not
- This means that registered donors and families who may find comfort in donation **are never given the chance** simply because no one is notified of the death

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### EMS Role in Tissue Donation

- By referring all field deaths to Nevada Donor Network, you ensure the option of donation is preserved for all decedents and their families
- Nevada Donor Network is HIPAA Compliant – the Uniform Anatomical Gift Act grants Nevada Donor Network access to donors' medical information to determine donor suitability as well as covers health care providers to legally release that information
- Nevada Donor Network respects the privacy of all donors and their families

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### How Potential Donors Are Referred

- A call is made to Nevada Donor Network's 24-hour referral line within one hour of death or as soon as possible. This can be made by a first responder on scene or a dispatcher.
- Provide decedent's name, date of birth, sex, time of death or last time known alive, circumstances of death, any interventions (CPR, fluids) and county where death occurred, and place of final disposition so NDN can follow with the coroner, medical examiner, or funeral home.

**855-NVDONOR**  
(855-683-6667)

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### The Donation Process

<b>Initial Referral is Made</b>	<ul style="list-style-type: none"> <li>• Upon confirmation of a scene fatality, dispatch or on-scene first responder will notify Nevada Donor Network's 24/7 hotline</li> </ul>
<b>Registry Check &amp; Donor Suitability Determined</b>	<ul style="list-style-type: none"> <li>• If known, the following information is provided:               <ul style="list-style-type: none"> <li>• Name, DOB and sex of decedent</li> <li>• Location of death (county)</li> <li>• Last known time alive or time of death</li> <li>• Circumstances &amp; known medical information</li> </ul> </li> </ul>
<b>Coroner/Medical Examiner Discussion &amp; Permissions</b>	<ul style="list-style-type: none"> <li>• Confirm that decedent has been positively identified</li> <li>• Confirm that NOK has been notified</li> <li>• Discuss case and gain permission for recovery</li> </ul>

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### The Donation Process

<b>Contact is Made with Next of Kin</b>	<ul style="list-style-type: none"> <li>• Family support is offered</li> <li>• Information is given regarding the gift of donation</li> <li>• Authorization is obtained</li> <li>• A comprehensive donor risk assessment interview is completed</li> </ul>
<b>Recovery Takes Place</b>	<ul style="list-style-type: none"> <li>• Teams are dispatched for recovery</li> <li>• Transportation is coordinated by our teams prior to and after recovery</li> </ul>
<b>Aftercare</b>	<ul style="list-style-type: none"> <li>• Program that offers grief support, resources and guidance</li> <li>• Follow families for 13+ months</li> <li>• Donor in Spirit</li> </ul>

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### Coroner/Medical Examiner Involvement

- Nevada Donor Network now works with most county sheriff's offices
- NDN will reach out to the county sheriff or ME to confirm NOK notification and positive ID, discuss permissions and any restrictions on recovery they may have due to an investigation
- NDN has partnered with the Washoe County Regional Medical Examiner's Office and they will work with us to make recoveries possible

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### Family Dynamics and Donation

- For many families, donation is the only positive experience in a tragic chain of events
- You are not expected to have in-depth conversations about donation with families – Nevada Donor Network has trained staff that can answer any questions they may have
- Nevada Donor Network is responsible for determining if a patient meets donor suitability criteria
- Your call simply preserves the opportunity for donation

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### How You Can Get Involved

- Get registered and speak to your family about your wishes
- Help us with community outreach efforts!



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### Benefits To Your Agency

- **Partnership elevates profile within the community**
  - Positive PR
  - Demonstrates community involvement
- **Fulfills mission**
  - Goals align
  - Helps others in need
- **Internal benefits**
  - Reporting/follow up shows impact
  - Positive outcomes for staff who deal with tragedies regularly



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