American Heart Association: Tools for American Heart Month & Beyond

Wisconsin

DHS Chronic Disease

Prevention Partner Call

January 28, 2025

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Provided by the American Heart Association-Wisconsin





Our Mission: To be a relentless force for a world of longer, healthier lives.

Our Vision: Advancing health and hope for everyone, everywhere.

Our Guiding Values:









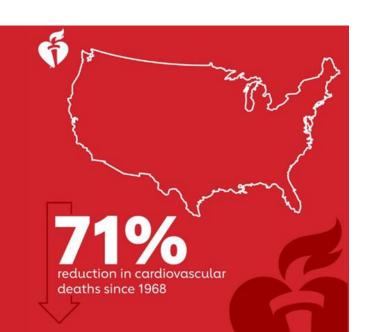














February is

American Heart Month

AMERICAN HEART MONTH 2025: YOUR CHILD. YOUR HEART.

CPR CAN SAVE LIVES. FOR ADULTS AND TEENS, HANDS-ONLY CPR CAN DOUBLE OR EVEN TRIPLE CHANCE OF SURVIVAL. INFANTS AND CHILDREN NEED CPR INCLUDING BREATHS.

MORE THAN 23,000 CHILDREN EXPERIENCE CARDIAC ARREST OUTSIDE OF THE HOSPITAL EACH YEAR. 40% ARE RELATED TO SPORTS. NEARLY 20% ARE INFANTS.

CARDIAC ARREST ACCOUNTS FOR 10-15% OF SUDDEN UNEXPECTED INFANT DEATHS.





Did you know **KIDS AS YOUNG AS 9** can learn CPR?

heart.org/nation





TWO STEPS TO SAVE A LIFE





heart.org

inten, inc., a SMicKCO and for profit. All rights meaned



What Is an Automated External Defibrillator

An automated external defibrillator (AED) is a lightweight, portable device. It delivers an electric shock through the



chest to the heart when it detects an abnormal rhythm and changes the rhythm back to normal.





CPR, and AED CPR combine

Who can

Early Defibrillation

 More than 15% of out-of-hospital cardiac arrests occur in a public location; therefore, public-access automated external defibrillators (AEDs) and community training have a large role to play in early defibrillation. However, the number of patients who have an AED applied by a bystander remains low, occurring after only 10.2% of public arrests

In 2021, 28.7% of patients in the Cardiac Arrest Registry to Enhance Survival (CARES) were defibrillated in the field.
 The proportion of patients first defibrillated by a Dystander was 4.6% whereas 19.1% and 76.3% were first defibrillated by a first responder or emergency medical services personnel, respectively.

Functionality

Inside the AED box are pads and a diagram that shows where to place the pads on bare skin. Once the device is turned on, a voice tells the person using it exactly what to do. Some devices offer this instruction in Spanish, but most

 The first thing the AED will do is determine whether an electric shock is needed by analyzing the person's her shock is advised, it will tell you to resume CPR. If there is a shockable rhythm, it will tell you to press the Shock butt







 Are you one of the 50% who can locate an AED at your work? With 10,000 cardiac arrest annually, you have the potential to save thousands of lives. Immediate CPR and use of an AED can double, or even triple, survival rates.

Children older than 8 years can be treated with a standard AED. For children 1 to 8 years old, the American Heart Association recommends the pediatric-attenuated pads that are purchased separately, in inflants younger than 1 year, a manual defibrillator is perferred. If a manual defibrillator is not available, an AED with a dose attenuator



Although forn

AEDs are accu



KU-1729 11/23 © 2023 American Heart Association

CARDIAC ARREST VS. HEART ATTACK

People often use these terms interchangeably, but they are not the same

WHAT IS THE LINK?

Most heart attacks do not lead to cardiac

arrest. But when cardiac arrest occurs, hear

attack is a common cause. Other conditions

may also disrupt the heart's rhythm and lead

WHAT IS CARDIAC ARREST?

the heart malfunctions and stops beating unexpectedly.

WHAT HAPPENS

WHAT TO DO

Seconds later a person become

unresponsive, is not breathing

call your local emergency number and start CPR right away. Then, if an

Cardiac arrest is triggered by an electrical malfunction in the heart that (arrhythmia). With its pumping action to the brain, lungs and other organ

Cardiac arrest is A heart attack is

A HEART ATTACK occurs when blood flow to the heart is blocked. A blocked artery prevents oxygen-rich

WHAT IS A **HEART ATTACK**?

blood from reaching a section of the heart If the blocked artery is not reopened quickly, the part of the heart normally nourished by that artery begins to die

Sumptoms of a heart attack may be immediate and may include intense discomfort in the chest or other area of the upper bodu, shortness of vomiting. More often, though, symptoms start slowly and persist fo hours, daus or weeks before a heart heart usually does not stop beating person goes without treatment, the greater the damage.

e heart attack symptoms in women car be different than men (shortness of breath usea/vomiting, and back or jaw pain).

WHAT TO DO

Even if you're not sure it's a heart attack, call your local emergency number. Every minute matters! It's best to call your local emergency number to get to the emergency room right away. Emergency medical services (EMS) staff ca begin treatment when they arrive—up to an hour sooner than if someone gets to the hospital by car. EMS staff are also trained to Patients with chest pain who arrive by at the hospital, too

st action n save lives.

nmediately while

CAUSE OF DEATH

occurring in the home

Ilu with about three

ACPR twitter.com/HeartCPR #CPRsaveslive





Hands-Only CPR Fact Sheet

Why Learn Hands-Only CPR?

Cardiac arrest - an electrical malfunction in the heart that causes an irregular heartheat (arrhythmia) and disrupts the flow of blood to the brain, lungs and other organs – is a leading cause of death. Each year, more than 350,000 EMSassessed out-of-hospital cardiac arrests occur in the United States.

When a person has a cardiac arrest, survival depends on immediately receiving CPR from someone nearby.

According to the American Heart Association, about 90 percent of people who suffer out-of-hospital cardiac arrests die. CPR, especially if performed immediately, can double or triple a cardiac arrest victim's chance of survival,

▼ Be the Difference for Someone You Love

If you are called on to give CPR in an emergency, you will most likely be trying to save the life of someone you love:



cardiac arrests happen in homes.



of-hospital cardiac arrest receive the immediate help that they need before professional help arrives.

Hands-Only CPR has been shown to be as effective in the first few minutes as conventional CPR for cardiac arrest at home, at work or in public.

Hands-Only CPR has just two easy steps, performed in this order.









Call 911

The telecommunicator on the other end of the line can assist you while getting the emergency help you need on the way.

Music Can Save Lives

Song examples include "Stayin' Alive" by the Bee Gees, "Crazy in Love" by Beyoncé featuring Jau-Z. "Hips Don't Lie" bu Shakira or "Walk the Line" bu Johnnu Cash. People feel more confident performing Hands-Only CPR and are more likely to remember the correct rate when trained to the beat of a familiar song.

When performing CPR, you should push on the chest at a rate of 100 to 120 compressions per minute, which corresponds to the beat of the song examples above

Learn How to Save a Life

Watch the Hands-Only CPR video at heart.org and share it with the important people in your life. Hands-Only CPR is a CPR class near you at heart.org/CPR.



To Learn more, visit heart.org.
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COMMUNITY IMPACT: SUSTAINABLE HEALTH INITIATIVES



Quality Improvement



Nutrition Security



Blood Pressure



Cardiac Readiness





Quality Improvement

TARGET.BP

GOLD+

Replication of the control of the

Submission is Open! Deadline May 16, 2025

QUALITY IMPROVEMENT: OUTPATIENT/AMBULATORY OUTCOMES













- Provide clinical guidelines and protocols.
- Offer free resources directed towards both providers and patients.
- Connect clinical partners to others around the country engaged in the same work.
- Offer recognition opportunities for any health care organization that demonstrates a commitment to, and/or achieves, clinical excellence.

Registration for Programs can be completed at <u>heart.org/registermyoutpatientorg</u>



BLOOD PRESSURE RESOURCES



Target: BP Pillars of Evidence-Based Activities











Quality Improvement Tools and Resources Page











TYPE 2 DIABETES RESOURCES



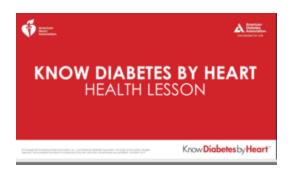
DOWNLOADABLE PATIENT RESOURCES

- What is Diabetes?*
- Types of Diabetes*
- Take Care of Your Heart When You Have Type 2 Diabetes*
- 4 Questions to Ask Your Doctor About Diabetes and Your Heart*
- 7 Tips to Care for Your Heart When You Have Type 2 Diabetes*
- Where to Begin on Your Heart Care Journey
- ADA's Ask the Experts Overview Sheet
- Medication Chart

*Available in Spanish













Blood Pressure

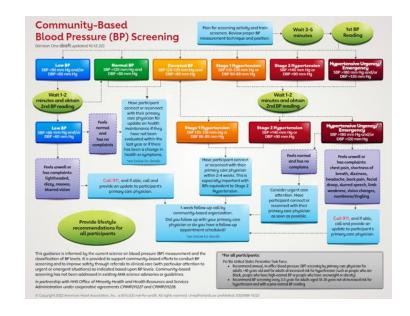
Prevention and Management Resources and Tools



CLINICAL (SMBP) SELF-MEASURED BLOOD PRESSURE



- SMBP programs allows patients to record their blood pressure from the comfort of their own home.
- Benefits
 - Improves the accuracy of diagnosing high blood pressure
 - Better management of patient's blood pressure
 - Helps patients adhere to treatment
 - Reduces barriers in care











PREPARING FOR SUCCESS

Self-measured blood pressure Patient training checklist

Instructions: To ensure all necessary steps and components are covered, use this checklist when training your patient's on how to perform self-measured blood pressure (SMBP).

Gather	supplies
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☐ Tape measure

☐ What is SMBP? (PDF)

SMBP infographic (PDF in English or Spanish)

☐ SMBP recording log (PDF)

SMBP device accuracy test (PDF)

Provide background information on SMBP to the patient (if not explained by provider)

☐ Explain how SMBP allows the provider to get a more accurate and complete picture of the patient's blood pressure outside of the office (more readings, over a longer period of time, in the patient's normal environment)

Tip: Hand out the "What is SMBP?" document.

☐ Determine SMBP cuff size

Use tape measure to measure the circumference of the patient's mid-upper arm in centimeters (see image for more detail)

Tip: Ideally, this is done before the patient purchases a device so you can ensure the device and cuff purchased are appropriate for the patient.

☐ Check patient's SMBP device for accuracy

Tip: Use the SMBP device accuracy test.

Determine the patient's blood pressure arm (if not currently identified)

Measure the patient's blood pressure in each arm and use the arm with the higher reading for all future readings

☐ Teach patient how to properly prepare for self-measurement

☐ Avoid caffeine, tobacco and exercise for at least 30 minutes before measurement

☐ Empty bladder if full

☐ Take BP measurements before blood pressure medications

Tip: Show SMBP training video and hand out the SMBP infographic.

☐ Teach patient the proper positioning for self-measurement



Locate mid-upper arm

Using a measuring tape, place one end on the bony prominence at the shoulder (acromion process) and measure the length of the arm to the bony protuberance at the elbow (olecranon process). Divide this distance in half and that is the mid-upper arm where you should measure the arm circumference for determining cuff size.



AMA MAPER

Avoid caffeine, smoking and exercise

for 30 minutes before measuring your

Wait at least 30 minutes after a meal

If you're on blood pressure medication,

measure your RP before you take

Empty your blodder beforehand.

Find a quiet space where you can sit

blood pressum.

your medication.

Content provided by meter a number reador Associatos A Pagina Nasarvio

How to measure your TARGET: BP blood pressure at home Follow these steps for an accurate blood pressure measurement

Rest for five minutes while in position before starting.

Day 1

MOFINING #

Take two or three measurements, one minute apart, twice daily for seven days Keep your body relaxed and in position

Sit quietly with no distractions during measurements—avoid conversations TV, phones and other devices.

Record your measurements

Day 5 Day 6 Day 7 MORNING # MORNING # MORNING # MORNING # MORNING # MORNING # 1 SYS DIA 1 SYS DIA 2 SYS DIA 2 SYS DIA EVENING (EVENING (EVENING L EVENING (EVENING (1 SYS DIA 2 SYS DIA

7 Day Recording Sheet Self-Measured Blood Pressure Monitoring

prior to next office vis

Bring back device or written log

Report Back Results F

Patient portal

easure for	If your	If your blood pressure measurement is:								
	MORE	THAN	IAN BETWEEN			LESS THAN				
sion. utive days	SYS	DIA	575	DIA	å	SYS	DIA	SYS	DIA	
	Recheck remains it your phys	od pressure is high. in 5 minutes. If it in this range, call action immediately.	Please on have been	n instructed b	Ntor your o	ir blood pr are team.	ressure as you	Recheck remains i your phys	od pressure is in 6 minutes, if n this range, ca sician immediate fice immediately.	

Let's Talk About Blood Pressure











COMMUNITY BLOOD PRESSURE HUBS (SCREEN AND REFER)



- Self-driven, complimentary program to clinical SMBP.
- It can be hosted in libraries, senior centers, churches, or other community gathering places.
- Provides access to blood pressure monitors in a safe and familiar place.
 - Organization can also host devices that can be checked out for at home use.
- AHA provides educational materials and training for each site.
 - Hosting site staff are not required to have medical knowledge and are not requested to provide medical.
- Two-way referral model



Clinton Rose Senior Center, Milwaukee



COMMUNITY BLOOD PRESSURE HUB RESOURCE MATERIALS





Community Hypertension Hub **Staff Orientation Resources**

Thank you for helping your library be part of our Community Hypertension Hub program. High blood pressure (HBP)- or hypertension - impacts 120+ million American adults. Because HBP is known as the 'silent killer' and often has few to no symptoms, many people do not know they have it, putting them at increased risk for heart attacks, stroke, kidney

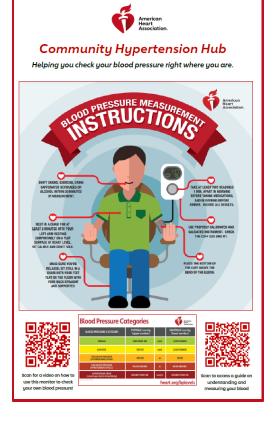
Your participation as a Community Hypertension Hub creates an important opportunity to meet people where they are and empower them to learn about health and take action to improve it. You are not checking blood pressure but, rather, making it possible for people to learn about Self-Measured Blood Pressure (SMBP)

Access to monitors does not replace visits with health care professionals and you are not asked in any way to function as a clinician. We do hope you'll understand the basics of HBP, feel comfortable showing patrons how to use the monitors, and know where to point them for more information. A variety of educational materials are provided for you to have available for the program, but below are the ones that, especially together, should give you a good understanding of HBP! We would ask that all involved staff review these tools.

- 1) What is High Blood Pressure? This 1-pg guide explains the basics of HBP and what the
- 2) How can I reduce my HBP? Overview of general ways to address your HBP. a. This chart has similar information and is available in Spanish & Chinese.
- 3) Talk About BP. This mobile friendly "quide" functions as a sort of HBP 101, including what the numbers mean, what to do about them, and how to measure your BP. It is featured (via QR Code) on the large Community Hypertension Hub poster provided.
- 4) Good technique is important for SMBP This video shows how to use a monitor like the ones you received to measure your own blood pressure. (Here is the same video in Spanish and an infographic that also shows proper positioning).
- 5) Be sure to review the BP Referral Sheet created for your Community. This provides important information to help patrons get connected to local health care organizations who can provide further guidance and support as they seek to understand and control their blood pressure.

- . This website hosts simulations of blood pressure (& more) showing how the cardiovascular system is functioning
- . Review Answers by Heart & Healthy For Good for additional one-page sheets and infographics on health topics and tips for improving diet, physical activity, etc.

Staff with Questions? Please reach out to Tim.Nikolai@heart.org at the American Heart Association





Community Hypertension Hub

Connecting with Health Care

These blood pressure monitors are provided as a public service to our community.

- They are to help individuals understand an important indicator of heart health but should
- The device model was selected for its accuracy, and every effort is made to maintain their functionality, but they should not be used to diagnose high blood pressure.

ressure Categories 💮 🚞				
URE CATEGORY	SYSTOUC mm Hg (upper number)		DIASTOLIC mm Hg (lower number)	
RMAL	LESS THAN 120	and	LESS THAN 80	
ило	120-129	and	LESS THAN 80	
00 PRESSURE SIGN() STAGE 1	130-139	or	80-89	
00 PRESSURE DONO STAGE 2	140 OR HIGHER	or	90 OR HIGHER	

- 1) Using the proper technique (see display materials), take your blood pressure.
- 2) Review the blood pressure levels on the chart above.

information is provided for your convenience:

- 3) If your blood pressure is high, wait quietly for five (5) minutes and take it again.
- 4) If your blood pressure is still high, or you have additional guestions about what the numbers might mean, contact your doctor's office to make an appointment. If you do not have a local doctor, a list of local health care sites and their contact
 - hore Community Health Care*. 2719 Calumet Avenue (920) 686-2333.
 - This site may help provide free or reduced cost access to medical care.
 - Aurora Urgent Care. 3509 Dewey St, (920) 686-5731.
 - Holy Family Memorial Walk-in Clinic. 1650 S. 41st St. (920) 320-2436

If this is a medical emergency, please call 9-1-1.



My blood pressure log

Name:

Instructions

- · Try to check your blood pressure twice a week.
- . For best results, sit comfortably with both feet on the floor for at least two minutes before taking a measurement.
- · Review the proper technique for checking your blood pressurei including resting your arm on a table so the blood pressure cuff is at about the same height as your heart.
- · Record your blood pressure on this sheet and show it to your doctor at every visit.

Date	Blood Pressure Reading
Day 1: AM	/
Day 1: PM	/
Day 2: AM	/
Day 2: PM	/
Day 3: AM	/
Day 3: PM	/
Day 4: AM	/
	1

Date	Reading
Day 5: AM	/
Day 5: PM	/
Day 6: AM	/
Day 6: PM	/
Day 7: AM	/
Day 7: PM	1
Day 8: AM	/
Day 8: PM	/

Always losing papers? Going green?

A variety of blood pressure monitoring apps are also available for Apple & Android.



Scan for tips on finding the right health app.





Nutrition Security



NUTRITION SECURITY SOLUTIONS



Changing Policies & Practices

- Screening for nutrition insecurity and referral to resources in libraries, clinics, YMCAs, and more.
- Helping increase access to healthy produce by working with farmer's markets, food pantries and more.
- Food As Medicine
- Nutrition Rx

"Now I can finally shop here since you have EBT."

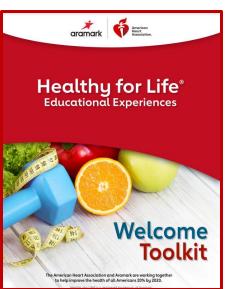
- Rural Farmers Market Customer





Educational Resources





Teaching Gardens Network Resources







Cardiac Readiness



CARDIAC READINESS



Cardiac Emergency Response Plans (CERPs)

- A CERP is a written document that establishes the specific steps to reduce death from cardiac arrest in any setting
- Developing <u>Cardiac Emergency Response Plans</u> for schools and community spaces.



Cardiac Emergency Response Plan General Checklist

The American Heart Association (AHA) wants all people to learn First Aid, CPR and AED to create a generation of people that are prepared to act in an emergency, putting more aualified lifesavers in our communities and creating a Nation of Heartsavers™.

About 9 in 10 cardiac arrest victims who receive a shock from an AED in the first minute live. During cardiac arrest, CPR can double or triple a person's chance of survival.

All schools, workplaces, and sports facilities should establish a Cardiac Emergency Response Plan (CERP). The following checklist contains the minimum steps to include in your plan:

- ☐ Establish a Cardiac Emergency Response Plan (CERP) and Team.
- Share the CERP at your site. Ensure the plan is integrated with local emergency medical services, fire and police (if applicable). Post the CERP in key locations throughout the site.
- ☐ Implement Automated External Defibrillator (AED) placement and a routine maintenance schedule within the school, workplace, or athletic facility (similar to fire-extinguisher protocols)
- ☐ Schedule and maintain ongoing staff training in First Aid, CPR and AED
- Educate as many people as possible in Hands-Only CPR (which can be used for teens and adults). If feasible, include information on rescue breathing and/or





NATION OF LIFE SAVERS



- Our goal is to turn bystanders into life savers
- Systematically integrating CPR training to reach populations in need
- Anyone can learn Hands Only CPR in 60 seconds







CPR Anytime Kits (Adult or Infant)





CPR Training Center Locator





Training Resources

COMMUNITY FACING

PROFESSIONAL EDUCATION



A mix of free / \$\$ options.

Collections of Presentations

- **Healthy For Life Nutrition Lessons**
- **Empowered To Serve Modules.**

Ongoing Opportunities

- **KDBH:** Ask The Experts Podcasts.
- House Calls: Real Docs, Real Talk™

- **Health Equity**
- Hypertension
- Resuscitation
- Stroke & Brain Health
- <u>Telehealth</u> <u>Professional Cert.</u>
- Tobacco Treatment Certification.







Future & Past webinars.



AHA WORKING IN RURAL WISCONSIN



Blood Pressure & Beyond - in the Rural Midwest Grant for Health Care Organizations*

Receive up to \$2000* for your efforts in addressing rural health outcomes.

In July of 2024, the American Heart Association released a <u>Presidential Advisory: Forecasting</u> the Burden of Cardiovascular Disease (CVD) & Stroke in the U.S. Through 2050—Prevalence of Risk Factors and Disease. The report emphasized the role that a growing incidence of high blood pressure and diabetes will play in the overall growth of CVD while anticipating a continued disproportionate impact on rural areas.

Furthermore, the Advisory encourages the need for a comprehensive approach to prevention and management. Thus, we are working with health systems, Rural Health Clinics, Federally Qualified Health Centers, free clinics, and, more recently, pharmacies, dentists, behavioral health clinics, etc, to improve the clinical response to chronic disease disparities. In many cases, we are working with those same organizations to integrate opportunities to address the Social Drivers of Health (SDOH) and improve resource access in coordination with local community based organizations.

Meeting People Where They Are

Improving Health in Collaboration with the Places Where Rural Communities Gather



Receive up to \$1500 for your efforts to improve health in your community.

The American Heart Association's mission to be a relentless force for a world of longer, healthier lives is a prospect that is increasingly difficult in many rural communities. Among other health challenges, rural Americans face higher rates of high blood pressure, nutrition insecurity, tobacco use, cardiac arrest death rates, and more. At the same time, rural communities have strong assets – organizations and individuals who are dedicated to making a difference and thinking creatively to overcome challenges. That reality aligns with our Guiding Values which include a focus on "meeting people where they are" and "building powerful partnerships."

Deaths from cardiovascular disease increased among younger U.S adults in rural areas

American Heart Association Scientific Sessions 2024, Abstract Poster MDP1058

Rural Health Care Outcomes Accelerator



Improving care at hospitals and clinics with no-cost access to Get With the Guidelines® programs for coronary

HeartCorps



Enlisting service-minded people to work in rural communities to improve heart health.

Health Equity Research Network on Rural Health



Funding \$20 million in projects to find fresh solutions to the issues.

ADVOCACY

- Postpartum Extension
 - Wisconsin and Arkansas are the only states without an extension
 - Move from 2 months of coverage to 12 months for Mom and Baby
- Cardiac Emergency Response Plan Implementation with Financial Support for Schools
- Healthy School Meals for All





ADD YOUR VOICE: American Heart
Association You're The Cure Advocacy
Network



NEXT STEPS...

- 1) Share these tools and resources to educate your friends, family, and community.
- 2) Fill out our <u>interest survey</u> if your organization or another in your community might be interested in:
 - Being a host for a Community Blood Pressure Hub
 - Systemic screening for Nutrition Insecurity (and/or other SDOH)
 - Adopting a Cardiac Emergency Response Plan
 - Clinical quality improvement
- 3) Consider sharing the rural grant opportunities.



QUESTIONS OR ASSISTANCE?

Subscribe to the (Rural) Health Update



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UPCOMING EVENTS:

Tuesday, February 4th:

American Heart Month Kickoff @ the State Capitol

Friday, February 7th: **National Wear Red Day**

Share your pictures on Social with #WisconsinGoRed

Volunteer with Us!

Saturday, February 15th: MKE Heart & Stroke Ball

Friday, February 21st: **Go Red For Women** – Madison

Tuesday, April 15th: **Advocacy Day in Madison!**



THANK YOU!!



