

WELCOME TO

TAKING THE PULSE: Support for Improving Blood Pressure Measurement & Management

February 26, 2018

Thank you for joining us! The session will begin shortly.

Webinar from Washington Association of Community & Migrant Health Centers and the Washington State Department of Health



Hannah Stanfield
Practice Transformation
Coordinator



Quality Improvement & Practice Transformation Program

Housekeeping

- Your lines are currently muted
- This webinar is being recorded. A recording will be made available after the session.
- Handouts, including slides, are available for download at the bottom of your dashboard.
- We'll address questions at the end of each section, as well as at the end of the presentation.
- You can ask a question in the following ways:



RAISE YOUR HAND FUNCTION - your line will be unmuted and you can ask the question verbally



QUESTIONS FUNCTION – type your question in the box and the facilitator will read it aloud





TAKING THE PULSE:

Support for Improving Blood Pressure Measurement & Management

Heart, Disease, Stroke, and Diabetes Prevention Program Community Based Prevention Section

Washington State Department of Health





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Objectives



- Share information on new blood pressure guideline
- Use M.A.P. Measure, Act Rapidly, Partner framework to highlight resources available to support:
- Measuring blood pressure accurately (M)
- Acting rapidly to identify potential areas for workflow and process improvement (A)
- Partnering to connect blood pressure work with patient self-management and education resources (P)

AMA's M.A.P.



MEASURE blood pressure accurately, every time.

Accurate measurement and recording of BP is essential to categorize level of BP, ascertain BP-related CVD risk, and guide management of high BP.



ACT rapidly to address high blood pressure readings.

Take rapid action and follow treatment protocols to bring BP under control.



PARTNER with patients, families, and communities to promote selfmanagement and monitor progress.

Improve adherence to treatment and lifestyle changes through collaborative communication and follow-up visits.

https://targetbp.org/tools-downloads/practice-assessment-tool/

New AHA/ACC Guideline - Perspectives

There will never be a "magic number" that is proven to be "right" by science. Any threshold inevitably involves tradeoffs and compromises.

Larry Husten, medical journalist, "The Blood Pressure Guidelines War Is Not a Fake War," Forbes Feb 11, 2018



The guideline is meant to prevent strokes, heart attacks and other cardiac problems through earlier action—a combination of lifestyle changes for all of these patients, and medications for some, depending on the circumstances to control high BP.



Sara Berg, Senior Staff Writer, AMA Wire, Nov 13, 2017

New Guidelines - Perspectives

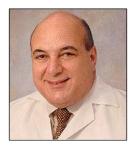
A blood pressure of 150/90 in one patient who's basically in good health, but might need to make some dietary or lifestyle changes, is not the same as another one with 150/90 who is a walking time bomb because they have other risk factors.

Mariell Jessup, M.D., medical director of the University of Pennsylvania's heart and vascular center, in Stat News, Jan 16, 2017



Some people with blood pressures of 130 to 139/80 to 89 mm Hg who are at higher cardiovascular risk may benefit from earlier intervention, but though such a broad-brush approach may be fine from a public health perspective, it could overburden our primary care physician workforce. Proper bloodpressure measurement is critical but time consuming.

George Bakris, M.D., and Matthew Sorrentino, M.D. NEJM Feb 8, 2018





New AHA/AAC Guideline Thresholds

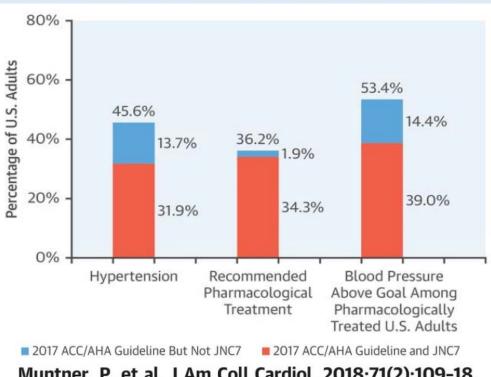
| BLOOD PRESSURE CATEGORY | SYSTOLIC mm Hg (upper number) | | DIASTOLIC mm Hg (lower number) |
|--|----------------------------------|--------|-----------------------------------|
| NORMAL Excellent! This is right where it needs to be as a normal blood pressure. | LESS THAN 120 | and | LESS THAN 80 |
| ELEVATED This is getting up there. Begin lifestyle changes that keep your blood pressure from developing into or becoming hypertension. | 120–129 | and | LESS THAN 80 |
| HIGH BLOOD PRESSURE (HYPERTENSION) STAGE 1 Your blood pressure is high. You need to see your medical provider. | 130–139 | or | 80-89 |
| HIGH BLOOD PRESSURE (HYPERTENSION) STAGE 2 Your blood pressure is very high. Seek medical care now. | 140 OR HIGHER | or | 90 OR HIGHER |
| HYPERTENSIVE CRISIS (Emergency Care Needed) Your blood pressure is dangerously high. Call 911 now. | HIGHER THAN 180 | and/or | HIGHER THAN 120 |

Prevalence based on new AHA/ACC guideline

| SBP/DBP greater than 130/80 mm Hg or Self- Reported Antihypertensive Medication | | | | |
|---|-----|-------|--|--|
| Overall, crude | 46% | | | |
| | Men | Women | | |
| Overall, age-sex adjusted | 48% | 43% | | |
| Age group, years | | | | |
| 20–44 | 30% | 19% | | |
| 45–54 | 50% | 44% | | |
| 55–64 | 70% | 63% | | |
| 65–74 | 77% | 75% | | |
| 75+ | 79% | 85% | | |
| Race-ethnicity | | | | |
| Non-Hispanic white | 47% | 41% | | |
| Non-Hispanic black | 59% | 56% | | |
| Non-Hispanic Asian | 45% | 36% | | |
| Hispanic | 44% | 42% | | |

New AHA/AAC BP Guideline

CENTRAL ILLUSTRATION: Prevalence of Hypertension, Recommendation for Pharmacological Antihypertensive Treatment, and Blood Pressure Above Goal Among U.S. Adults According to the 2017 ACC/AHA and the JNC7 **Guidelines**



Muntner, P. et al. J Am Coll Cardiol. 2018;71(2):109-18.

2015 Washington State 10 Leading Causes of Death

Heart Disease and Stroke combined are the #1 cause of death in Washington State

| 1 | Cancer | 23.2% | 6 | Stroke | 4.9% |
|---|----------------------|-------|----|-------------------|------|
| 2 | Heart Disease | 20.2% | 7 | Diabetes Mellitus | 3.3% |
| 3 | Alzheimer's | 6.4% | 8 | Suicide | 2.1% |
| 4 | Unintentional Injury | 5.8% | 9 | Liver Disease | 1.9% |
| 5 | COPD | 5.8% | 10 | Flu & Pneumonia | 1.6% |

Stroke Statistics for Washington State

- 2,693 died from stroke in 2015 (about 7 deaths per day)
- Leading cause of preventable disability for adults.
- The number of people experiencing strokes is expected to increase as baby boomers age
- Trends show more younger people (ages 25-54) are having strokes.
- Black and American Indian/Alaskan Native populations in Washington are more likely to die from stroke than whites.
- The rate of death from stroke is higher in areas with higher poverty levels.

Questions About New Guideline?



M = Measure Accurately



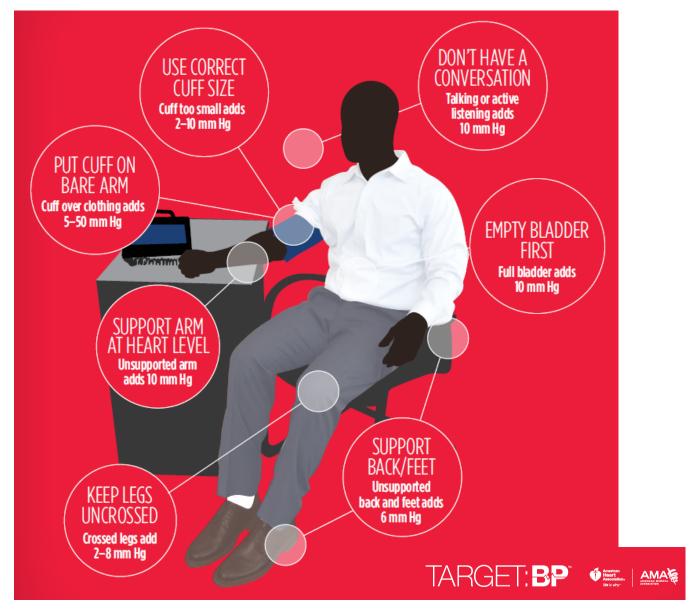
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Accurate measurement and recording of BP is essential to categorize level of BP, ascertain BP-related CVD risk, and guide management of high BP.

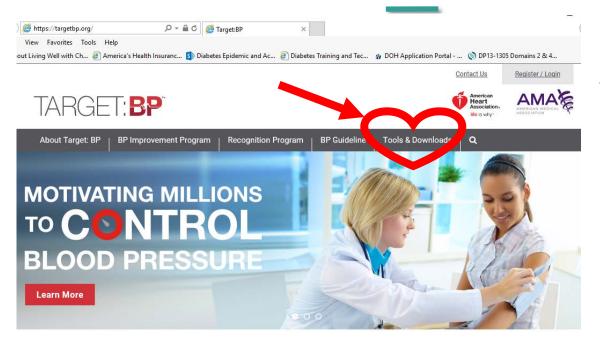
Inaccurate Blood Pressure Measurement



Accurate Blood Pressure Measurement



Tools for Measuring Accurately – AMA



targetbp.org

- No sign in required
- Technique quickcheck worksheet







Achieve recognition for maintaining Submit data to be recognized by the blood pressure control rates. Target: BP Recognition Program. Learn More **Submit Data**

DATA SUBMISSION

Tools for Measuring Accurately - Department of Health

In-Person Training on BP Measurement Accuracy

- At your facility
- In English and Spanish
- No charge
- For team members clinical and non-clinical
- Tailored to your needs

Tools for Measuring Accurately - Department of Health

Posters in English, Spanish, Chinese, Vietnamese and Russian:

Checking Your Blood Pressure

Before You Begin

□ **No coffee** in the last 30 minutes.



□ **No tobacco** in the last 30 minutes.



□ No meals or exercise within 2 hours.



☐ **Visit the restroom**A full bladder can affect the reading.



Before You Begin

Checking Your Blood Pressure

How to Check Your Blood Pressure

Whether you or a health care provider measures your blood pressure, it is important to use the size of blood pressure cuff that fits your arm.

Before you start:



- Do not drink coffee for at least 30 minutes before measuring.
- Do not use tobacco products for at least 30 minutes before measuring.
- Do not exercise or eat a large meal two hours before measuring.
- Use the restroom. A full bladder can affect the reading.

Readings can vary from arm to arm.
Use the same arm each time you check your blood pressure.

For accurate measurement, be sure to:

- 1. Sit quietly in a chair for 5 minutes before measuring.
- 2. Sit with your back supported and feet flat on the ground.
- 3. Remove clothing from your upper arm.
- Make sure your arm is supported at the level of your heart on a table or armrest.
- Do not talk while having your blood pressure measured.

How to Check

Support for Measuring Accurately - WACMHC

The WACMHC Practice Transformation Team can link you to:

- Practice Transformation resources
- QI best practices and tools
- Support for workflow and process improvement

Questions About Measurement?



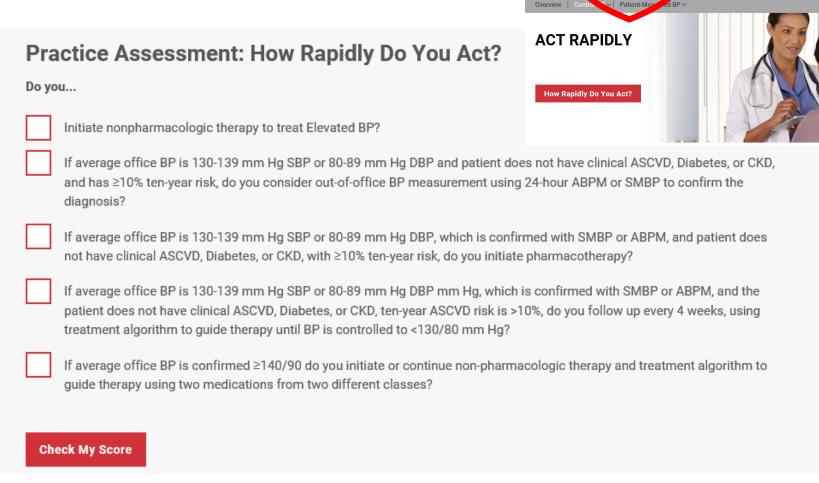
A = Act Rapidly



ACT rapidly to address high blood pressure readings.

Take rapid action and follow treatment protocols to bring BP under control.

Acting Rapidly – AMA



TARGET<u>:</u>BP

| BP Improvement Program

Recognition Program

About Target: L

Tools for Acting Rapidly – AMA

For Elevated BP

When average office BP 120-129 and <80mm Hg at 2 or more office visits:

- Start nonpharmacologic therapy
- Follow up in 3-6 months
- Consider out-of-office BP measurement using 24hour ambulatory blood pressure monitoring (ABPM) or self-measured blood pressure (SMBP)

Tools for Acting Rapidly – AMA

For Stage 1 Hypertension and patient <u>does not have</u> clinical Atherosclerotic Cardiovascular Disease (ASCVD), diabetes, or Chronic Kidney Disease (CKD)

When average office BP ≥130-139 or 80-89 mm Hg:

- Use the <u>AHA/ACC ASCVD Risk Estimator</u> to calculate 10-year risk. If 10-year risk is ≥10%, start pharmacotherapy* and start or continue nonpharmacologic therapy. Follow up every 4 weeks, using the <u>treatment algorithm</u> to guide therapy until BP is <130/80 mm Hg</p>
- If 10-year risk is <10% in low-risk patient, start or continue nonpharmacologic therapy and follow up in 3-6 months
- Consider out-of-office BP measurement using 24-hour ABPM or SMBP

^{*}When starting a diuretic, ACE or ARB, follow up in 2 weeks to check electrolytes and renal function.

Tools for Acting Rapidly - AMA

For Stage 1 Hypertension and patient <u>has</u> clinical ASCVD, diabetes, or CKD

When average office BP ≥130-139 or 80-89 mm Hg:

 Start or continue nonpharmacological therapy and BPlowering medication.* Treat as if 10-year risk is ≥10%.

*When starting a diuretic, ACE or ARB, follow up in 2 weeks to check electrolytes and renal function.

Tools for Acting Rapidly – AMA

For Stage 2 Hypertension

When average office BP ≥140 or >90 mm Hg:

- Start or continue nonpharmacologic therapy
- Start pharmacotherapy, prescribing 2 different classes of antihypertensive agents in most patients (with caution if patient is elderly)*
- Follow up every 4 weeks until BP is controlled
- Consider out-of-office BP measurement using 24-hour ABPM or SMBP

Reassess on an ongoing basis using SMBP to identify white coat HTN and determine a patient's adherence and response to therapy.

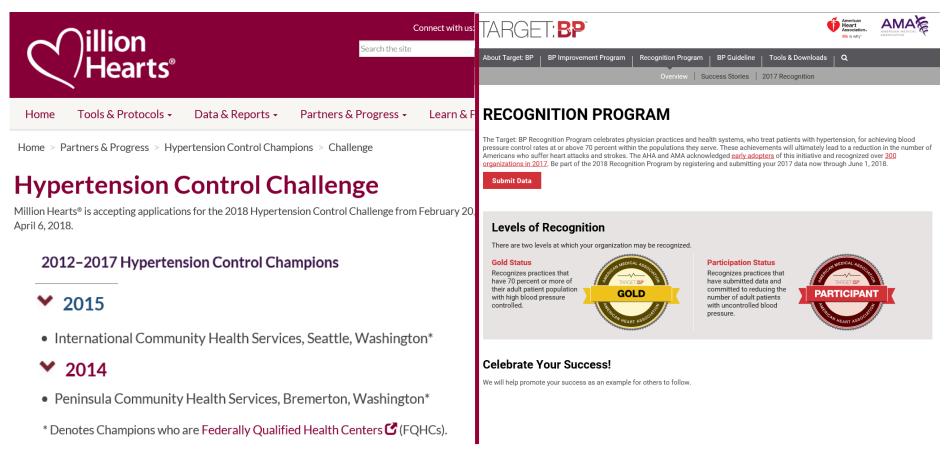
*When starting a diuretic, ACE or ARB, follow up in 2 weeks to check electrolytes and renal function.

Support for Acting Rapidly - WACMHC

The WACMHC Practice Transformation Team can link you to:

- Practice Transformation resources
- QI best practices and tools
- Support for workflow and process improvement

Recognition Programs



https://targetbp.org/

https://millionhearts.hhs.gov/

Questions About Acting Rapidly?



P = Partner



PARTNER with patients, families, and communities to promote selfmanagement and monitor progress.

Improve adherence to treatment and lifestyle changes through collaborative communication and follow-up visits.

Partnering – AMA



Practice Assessment: How Well Do You Partner?

Check My Score

| Do y | ou |
|------|--|
| | Engage patients using evidence-based collaborative communication strategies, such as teach-back? |
| | Encourage patients to self-manage using Self-Measured Blood Pressure (SMBP)? |
| | Direct patients and families to resources that support medication adherence? |
| | Promote adoption of healthy habits, and connect patients with resources that can help? |
| | Foster specific lifestyle changes that can prevent and help manage high blood pressure? |
| | |

Partnering – AMA

- Once blood pressure is controlled, patients with a diagnosis of hypertension can use SMBP to monitor their blood pressure.
- Patients need clear instructions about what to do if they get a reading outside of the expected range (low or high) or if they have symptoms (chest pain, shortness of breath, dizziness, etc.).
- As a basis for clinical decisions, patients should record a full week's worth of SMBP, following the recommended protocol and share all readings with the clinical team.
- Local partnerships can also help some patients—particularly those with lower incomes—achieve their treatment goals. Following through on lifestyle recommendations may be challenging for some patients with poor social support, obstacles to exercise and healthy foods, and challenging finances.
- When possible, help patients who need support from local partners connect with organizations that can help.
- Simplifying medication regimens, either by less frequent dosing or by single-pill combination drug therapy, also improves adherence.

Partnering – AMA

Evidence suggests that health professionals—both clinical and non-clinical staff—can use these communication skills to engage patients.

- Open-ended questions—ask questions that require more than a "yes" or "no" answer and that help discover what the patient thinks is important
- Reflective listening—ask for clarifications to get a better understanding of what patients say, or rephrase what patients say
- Positive reinforcement—encourage healthy ideas or behaviors that patients mention
- Ask-provide-ask—ask patients what they already know about an issue, give brief answers that fill gaps in their knowledge, and then ask for their thoughts on what you told them
- Teach-back—ask patients to tell you what they took away from the conversation and what they think the next steps should be

Tools for Partnering – AMA







About Target: BP | BP Improvement Program | Recognition Program | BP Guideline

Tools & Downloads

TOOLS & DOWNLOADS

These tools and resources are designed to help your practice improve blood pressure control for all of your patients. Resources include interactive tools, fact sheets, podcasts, webinars, and videos, along with handouts you can give your patients.

How Do I Manage My Medicines?

FAQs about taking blood pressure medication, with a chart to help track medication use. Available in English and Spanish.

FOR My Patients

TOPIC Create & Update a Treatment Plan

Questions to Ask Your Doctor

Patients often have questions but aren't sure how to ask. This handout can help.

FOR My Patients

TOPIC Create & Update a Treatment Plan

What Is High Blood Pressure Medication?

The medicines prescribed to help lower blood pressure and their possible side effects.

FOR My Patients

TOPIC Create & Update a Treatment Plan

7 Day Recording Log (2 times/day - average)

For patients to record their average blood pressure readings twice a day.

FOR My Patients

TOPIC Patient-Measured BP

7 Day Recording Log (2 times/day)

Help patients to record their blood pressure readings.

FOR My Patients

TOPIC Patient-Measured BP

How to Measure Blood Pressure Accurately

Make sure you're getting accurate blood pressure readings.

FOR My Patients

TOPIC Patient-Measured BP

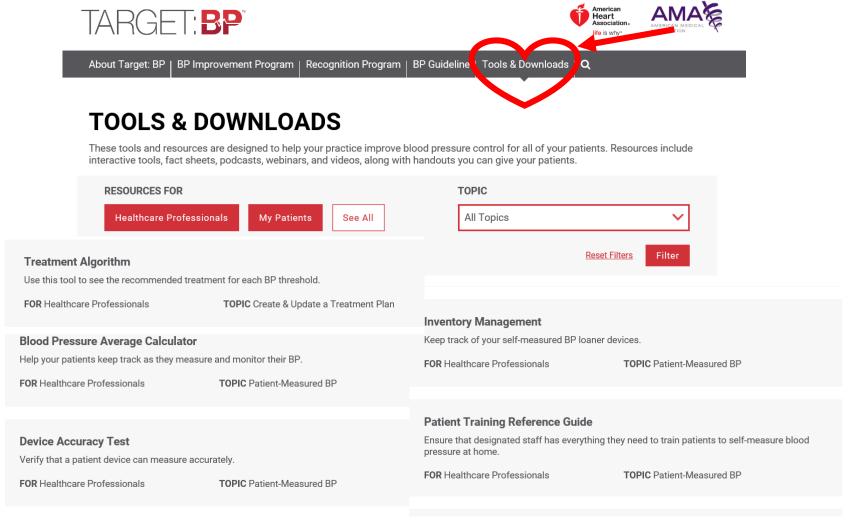
Loaner Device Agreement

Enable a patient to use a loaner device.

FOR My Patients

TOPIC Patient-Measured BP

Tools for Partnering – AMA

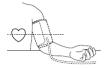


Tools for Partnering – Department of Health

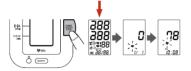
Posters in English, Spanish, Chinese, Vietnamese and Russian:

Checking Your Blood Pressure

Taking Your Blood Pressure



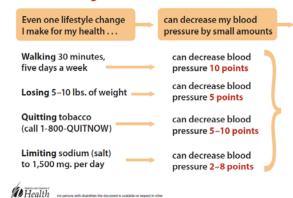
- Support your arm at the level of your heart on a table or high armrest.
- Stay in a seated position.
- Avoid talking when taking a measurement.
- Take 2 readings, each 5 minutes apart.
- Press the START/STOP button on the monitor.
 Display symbols will appear on the screen.



- The cuff will inflate on its own and feel tight for a few seconds.
- The cuff will relax and display the reading.
 Record the reading.
- Press STOP.
- Wait five minutes. Repeat these steps for a total of two readings.

What's the BIG DEAL about controlling my blood pressure

Small changes make a HUGE difference:



and small decreases in blood pressure result in huge health benefits.

Every 5 points decrease in blood pressure reduces

- risk of stroke by 34%
- risk of heart attack by 21%

Every 3 points decrease in blood pressure reduces

- risk of stroke by 8%
- risk of heart attack by 5%



What's the Big Deal?

Taking Your Blood Pressure

Tools for Partnering – Department of Health

Materials in English, Spanish, Chinese, Vietnamese and Russian:

What is blood pressure?



Should I talk to my medical provider about it?

How to check your

Blood
Pressure

How to check your blood pressure (booklet)

What is blood pressure? (brochure)

Blood Pressure Tracker

Blood

Pressure

Tracker

Tools for Partnering - Department of Health

Options for Blood Pressure Self-Monitoring

Say and Ask

Say: There are different options for measuring and tracking your blood pressure between health care visits.

Ask: May I ask you some questions to find out what could work best for you?

Note: Wrist cuffs are not recommended, as their accuracy is not as reliable as cuffs that are placed on the upper arm.

Own an automated monitor

Say: It is possible to purchase a blood pressure monitor. They usually cost between \$40-60, depending on the model, sometimes more.

Ask: Is this something you can pay for?





Assess support needed:

- Do you need help making a plan to buy one?
- Would you like information about how to choose a monitor?
- Do you need your monitor to have any special features, like an extra-small or extra large cuff?

Assess support needed:

- It isn't common, but some-times insurance can cover a monitor. Would you like help to see if your insurance would cover it?
- Is there someone in your household who could afford one that you could use? Or could you receive one as a present?
- Consider borrowing one or using a community resource.

Get your blood pressure checked in your community

Say: Some people like to get their blood pressure checked regularly at a community center, pharmacy, or fire station.

Ask: Is this something you would be interested in?





Assess support needed:

- Do you need help finding a place to measure your blood pressure nearby? We can brainstorm about possible places and also check WIN 211.
- Where do you go during the week? If you go to a grocery store, do they have a pharmacy with a blood pressure machine?
 Does your church have a blood pressure monitor? Do you visit a senior center?

Assess support needed:

 Sometimes health care clinics offer free blood pressure checks. Does your provider's office offer this? Do you need help with transportation to get there if they do?

KEY RESOURCES

- Pharmacists
- Providers
- Community Health Centers
- WIN 211—dial 211 or visit win211.org
- State and local public health

Borrow an automated monitor

Say: Sometimes you can borrow a blood pressure monitor you can use while your blood pressure is getting under control.

Ask: Is this something you would be interested in?





Assess support needed:

- Have you asked your health care provider if they have one available you can borrow?
- Would you like help asking your provider's office?
- Would you like me to look into other possibilities?

Assess support needed:

Consider using a community resource.

Provide support to everyone on:

Accurate measurement & tracking • Connecting blood pressure readings back to provider

For persons with disabilities, this document is available on request in other formats. To submit a request, please call 1-800-525-0127 (TDD/TTY 711)



Support for Partnering – WACHMC

The WACMHC Practice Transformation Team can link you to:

- Peer learning for promising clinical practices, care team models, or specific challenges
- Resources for creating community partnerships

Support for Partnering – Other resources

- Community Health Workers
- Chronic Disease Self-Management
- Diabetes Prevention Program
- TOPS
- Health Ministries
- Service Clubs (Lions, Eagles, Veteran's Groups)

Support for Partnering – Other resources



Health Education Programs

- Thronic Disease Self Management
- Diabetes Prevention
- Diabetes Education and Support

Food

- Food Pantry / Food Bank
- Hot Meals
- * WIC Women, Infants & Children

Financial Assistance

- Bus Tickets / Gas Money
- Rent Payment Assistance
- Rental Deposit Assistance
- Utility Assistance

Housing / Shelter

- Emergency Shelter
- ★ Low Income Housing
- Transitional Housing
- Home Improvement / Minor Home Repair

Material Goods

- Clothing / Diapers
- Household Goods / Furniture

Health Care

- Dental Care
- Vi General Medical Care

Legal

- General Legal Assistance
- Landlord / Tenant Assistance

Financial Information/Education

m Credit Counseling / Debt Management

Employment

Employment Services & Training

Transportation

Transportation Programs

Mental Health / Substance Abuse

- Crisis Intervention Hotlines
- **Outpatient Substance Abuse Programs**
- General Counseling Services

Veterans Resources

- Veterans Programs
- * Operation Military Family

American Heart Association Life's Simple 7

- Manage Blood Pressure
- Control Cholesterol
- Reduce Blood Sugar
- Get Active
- Eat Better
- Lose Weight
- Stop Smoking





Any Questions?



Contact information - Department of Health

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http://wacmhc.org/programs/qualityimprovement-practice-transformation

UPCOMING EVENTS

WACMHC MI Training
April 3rd
Tacoma, WA

DOH CHW Conference
April 12th & 13th
Lynnwood, WA

Please complete the survey after the end of the session. Your feedback is appreciated!

