

**Baxter**

# BEST PRACTICES IN BLOOD PRESSURE MANAGEMENT

Confidently assess, diagnose  
and manage hypertension



# ACCURATE BLOOD PRESSURE READINGS ARE NON-NEGOTIABLE WHEN DIAGNOSING HYPERTENSION.

High blood pressure — or hypertension — is a risk factor for heart attack, stroke and kidney disease.<sup>1,2</sup> The American Heart Association (AHA) now defines high blood pressure as 130/80 mm HG or higher.<sup>3</sup> With these guidelines, nearly half of American adults (48.1%) have high blood pressure — and many may not know it.<sup>4</sup>

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## FEEL CONFIDENT IN YOUR BLOOD PRESSURE READINGS

We understand that accurate blood pressure readings are critical to support a diagnosis and treatment plan you can feel confident in. **Baxter** offers the **Welch Allyn** line of digital blood pressure devices, enabling you to:



**IDENTIFY**  
In the Office



**CONFIRM**  
Outside the Office



**MANAGE**  
At Home



## RECOMMENDATIONS FOR MEASURING BLOOD PRESSURE

The American Heart Association's latest scientific statement explores the best methods for obtaining accurate blood pressure readings.<sup>5</sup> Because precise measurements are critical for hypertension diagnosis and monitoring, the AHA discusses the benefits of in-office and out-of-office devices.

Oscillometric devices provide an automated office blood pressure reading that can reduce common user errors — like improper technique, rounding and transcription mistakes — associated with auscultatory measurements.<sup>5</sup> Automated devices that can average a series of blood pressure readings may also provide a more accurate in-office blood pressure measurement.<sup>5</sup> Evidence suggests that ambulatory blood pressure monitoring is a valuable tool and may help in obtaining an accurate BP.<sup>5</sup> Home blood pressure devices can monitor blood pressure levels over time, measure medication efficacy and help identify hard-to-detect hypertension.<sup>5</sup>

It's more important than ever to assess your patients with accurate blood pressure readings inside and outside the office. That's where we come in.

# IDENTIFYING HYPERTENSION

The first opportunity to identify hypertension is right in your office.

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## THE CHALLENGE

Blood pressure averaging may be a better method to detect hypertension in patients compared to single blood pressure readings.<sup>6</sup> For many people, the first measurement taken during an office visit is higher than subsequent measurements.<sup>5</sup> In fact, a study of U.S. adults estimates that 35% of people with a blood pressure reading of 140-159/90-99 mmHg on their first measurement had a reading of <140/90 mmHg when three measurements were recorded and averaged.<sup>5</sup>

## THE IMPACT

Because white-coat effect and inconsistent clinical technique can contribute to inaccurate blood pressure readings,<sup>6</sup> you need a solution that can help mitigate these challenges. One study shows automated blood pressure averaging can provide additional decision support to improve the accuracy of hypertension diagnoses.<sup>7</sup>



### IDENTIFY In the Office

Automated blood pressure and vital signs devices can support attended and unattended automated in-office blood pressure readings.



## THE SOLUTION

Baxter provides a wide range of blood pressure and vital signs devices developed with your needs in mind. Whether you want to upgrade your blood pressure devices, or need a fully connected vital signs workflow, we've got you covered.



### The Welch Allyn ProBP 2400

Designed specifically for smaller clinics who want to upgrade from manual blood pressure devices to an automated solution.

- Professional-grade device with blood pressure averaging
- Cost-effective solution without additional vital signs or connectivity options

### The Welch Allyn Spot Vital Signs 4400 Device

Built to fit smoothly into your daily routine with simple, easy-to-use, all-in-one vitals capture.

- Blood pressure averaging available in one tap via the home screen
- Send vital signs to your EMR with basic USB connectivity



### The Welch Allyn Connex Spot Monitor

Delivering multi-parameter vital signs in one configurable device for IDNs and clinics that want a fully automated workflow.

- Easy-to-use touchscreen with blood pressure averaging, spot checking and more
- Wired and wireless connectivity to your EMR

One study shows automated office blood pressure devices can be programmed to record and average multiple blood pressure readings — with or without a clinician present — and can provide a more accurate blood pressure measurement than auscultation.<sup>5</sup>

# CONFIRMING HYPERTENSION DIAGNOSES

Once you detect high blood pressure, make sure you're seeing the whole picture.

## THE CHALLENGE

Patients with elevated in-office blood pressure readings often require additional monitoring outside the office during normal state conditions to be properly diagnosed.<sup>8</sup>

## THE IMPACT

Ambulatory blood pressure monitoring is an important step in confirming a hypertension diagnosis. This method collects multiple measurements for a comprehensive picture and can help identify patterns — like sustained, white-coat, masked or nocturnal hypertension — that cannot be detected with blood pressure readings in the office.<sup>7</sup>

## THE SOLUTION

### The **Welch Allyn ABPM 7100** Ambulatory Blood Pressure Monitor

Designed to bring comprehensive blood pressure monitoring to the comfort of your patient's home

- Lightweight, compact and quiet 24-hour monitoring
- Comprehensive reporting and analysis tools
- Identify and confirm hypertension; can also be used to monitor the impact of hypertension treatment



## CONFIRM Outside the Office

Confirm your hypertension diagnoses with ambulatory blood pressure monitoring.



# MANAGING HYPERTENSION

Set your patients up for long-term success with a compressive monitoring solution.

## THE CHALLENGE

Home blood pressure monitoring solutions often lack clinical accuracy.

## THE IMPACT

Clinician-connected remote patient monitoring has been proven to help get patients to their target blood pressure.<sup>10</sup>

## THE SOLUTION

### Welch Allyn Home Hypertension Program

Designed to help your patients reach their target blood pressure

- Clinically accurate blood pressure monitoring



## MANAGE At Home

Help your patients effectively manage hypertension with self-management tools.

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## WE'RE HERE TO HELP YOU IDENTIFY, DIAGNOSE AND MANAGE HYPERTENSION ACROSS CARE SETTINGS.

CONTACT YOUR BAXTER REPRESENTATIVE TODAY TO LEARN MORE.

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**Rx only.** For safe and proper use of the products mentioned herein, please refer to the appropriate Operator's Manual or Instructions for Use.

### **Baxter.com**

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### References

1. Mayo Clinic. High blood pressure dangers: Hypertension's effects on your body. Mayo Clinic website. <http://www.mayoclinic.org/diseases-conditions/high-blood-pressure/in-depth/high-blood-pressure/art-20045868>. February 18, 2014. Accessed October 17, 2016.
2. World Heart Federation. Cardiovascular disease: Risk factors. World Heart Federation website. [http://www.world-heart-federation.org/fileadmin/user\\_upload/documents/Fact\\_sheets/2012/PressBackgrounderApril2012RiskFactors.pdf](http://www.world-heart-federation.org/fileadmin/user_upload/documents/Fact_sheets/2012/PressBackgrounderApril2012RiskFactors.pdf). Accessed October 17, 2016.
3. <http://www.acc.org/latest-in-cardiology/articles/2017/11/08/11/47/mon-5pm-bp-guideline-aha-2017>
4. [http://www.heart.org/HEARTORG/Conditions/HighBloodPressure/GettheFactsAboutHighBloodPressure/The-Facts-About-High-Blood-Pressure\\_UCM\\_002050\\_Article.jsp#.WjgSFVWnGU](http://www.heart.org/HEARTORG/Conditions/HighBloodPressure/GettheFactsAboutHighBloodPressure/The-Facts-About-High-Blood-Pressure_UCM_002050_Article.jsp#.WjgSFVWnGU)
5. Muntner, Paul et al. "Measurement of Blood Pressure in Humans: A Scientific Statement From the American Heart Association." *Hypertension* 73, no. 5. pg.e35. (May 1, 2019). Doi:10.1161/hyp.0000000000000087.
6. Pickering, Thomas G., MD, DPhil, et. al: Recommendations for Blood Pressure Measurement in Humans and Experimental Animals. *Circulation*. 2005; 111:697-716.
7. Robert Smith, MD. Blood pressure averaging methodology: Decreasing the risk of misdiagnosing hypertension
8. [http://www.heart.org/HEARTORG/Conditions/HighBloodPressure/KnowYourNumbers/Monitoring-Your-Blood-Pressure-at-Home\\_UCM\\_301874\\_Article.jsp#.WnDR\\_q6nGUK](http://www.heart.org/HEARTORG/Conditions/HighBloodPressure/KnowYourNumbers/Monitoring-Your-Blood-Pressure-at-Home_UCM_301874_Article.jsp#.WnDR_q6nGUK)
9. Green B et al. Effectiveness of Home Blood Pressure Monitoring, Web Communication, and Pharmacist Care on Hypertension Control. *JAMA* 2008;299(24):2857-2867

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