



# Let's Unburden the Delivery of Care

With Fewer Workarounds,  
There's More Time for Care

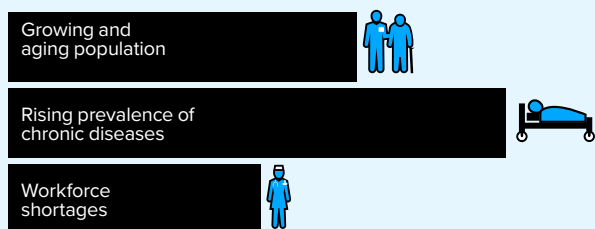


## Global Trends Show a Rise in Demand for Healthcare

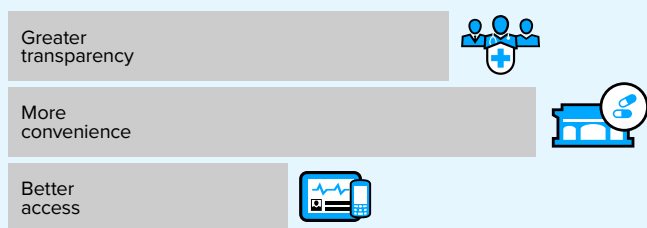
Across the globe, the demand for healthcare is surging. Along with it is an increasing number of consumer-minded patients, all with growing expectations.

### How will your healthcare teams keep pace?

#### Global Trends

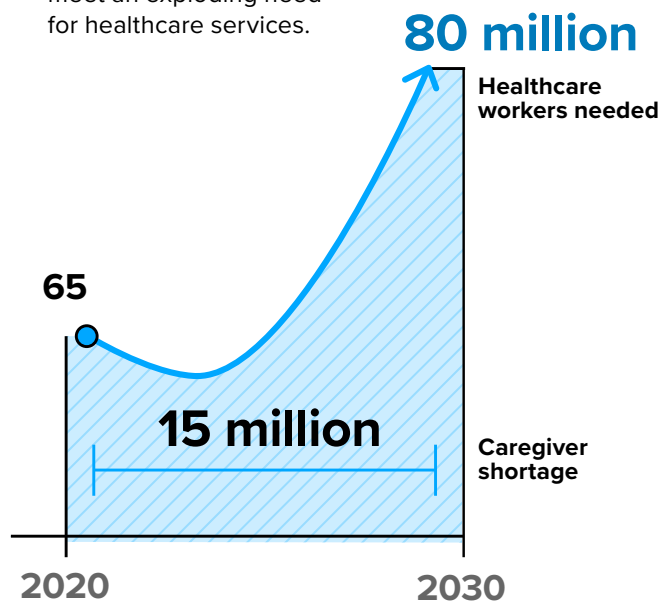


#### Patient Expectations



### A Widening Gap Between Supply and Demand

Each day a shrinking supply of healthcare workers struggle to meet an exploding need for healthcare services.



### Global Care Imbalances

“Only half of all countries have the healthcare workers required to deliver quality healthcare.”<sup>1</sup>

### Nurse to Patient ratio

1 : 120



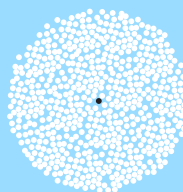
The Americas

1 : 123



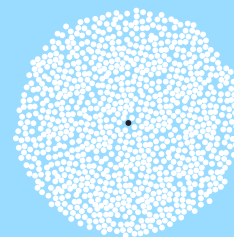
Europe

1 : 559



South-East Asia

1 : 690



The Eastern Mediterranean

#### Everyday Frustrations

#### Concerning Results

7.8 activities per shift left undone <sup>2</sup>	More workarounds
27 workarounds created on each shift <sup>3</sup>	Increased medical errors
2 hours of documentation for every hour spent with patients <sup>4</sup>	Tasks left undone
21 minutes per shift spent looking for equipment <sup>5</sup>	Patient dissatisfaction
80% of physicians are at capacity or overextended <sup>6</sup>	High turnover rates
72% to 99% of clinical alarms are false <sup>7</sup>	Cognitive overload, alarm fatigue

### Caregivers Running on Empty

As the gap between supply and demand widens, everyday frustrations fuel clinician and patient dissatisfaction. Bridging the gap in healthcare requires technology solutions that can help caregivers deliver more care, with fewer frustrations.

[See how Zebra gives more power to solve.](#)



## Zebra, Leading With Interoperable Technology

### Designed With Caregivers in Mind

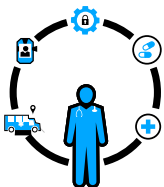
How do we know what matters to healthcare workers? We asked them. By studying facilities' workflows, teams' communications and the long, complicated days of clinicians, we weave three core principles into every design.



#### Caregiver-Centric

**It's all about their workflow realities.**

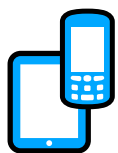
Streamlining workflows to work without unnecessary workarounds. Let's give them the flexibility of mobility and instant access to what they need — on-the-go.



#### Unifying

**It's all about interoperability.**

Removing silos of information to connect colleagues with the data, equipment and applications they need right now. Providing secure communication for instant collaboration through talk, text and sharing images and information securely.



#### Restorative

**It's all about ease, manageability and gaining control.**

Introducing purpose-built technology that's disinfectant-ready to withstand the blood, sweat, tears and chemicals in healthcare facilities. Solutions that work intuitively to both, end frustration and restore time and focus.



## Let's Take It Beyond the Bedside

With Solutions That Touch Every Aspect of Healthcare Facility-Wide

Workflows don't stop at the bedside — they're interconnected throughout the entire facility. Zebra's expansive solutions remove silos, working in concert to accomplish more within every role. When you give your team more power to solve things efficiently, they'll gain more time for care. Zebra's highly interoperable, purpose-built technology does just that — from admissions to discharge, from the pharmacy and lab into the operating and supply rooms, and more. With solutions for every touchpoint helping to elevate the quality of care, it can only lead to better patient outcomes.

### Healthcare Solutions That Span From Admission to Discharge



#### Admissions

- Wristband printing
- Positive patient identification



#### Critical Care

- Medical history access
- Point-of-care information access
- Reference information access



#### Pharmacy

- Prescription receiving and filling
- Supply tracking
- Medication identification



#### Field Hospitals

- Medical image transmission
- Remote monitoring of patient
- Decision support applications



#### Surgical Theater

- Colleague collaboration
- Procedure verification
- Tissue and sample identification



#### Inventory and Supply Chain Management

- Supply and equipment utilization
- Supply replenishment automation
- Insights for actionable decision-making

**No Matter What Role You Play,  
Technology Will Bring  
More Flow to Your Day**

Purpose-built solutions tailored  
for a range of healthcare professionals

Admissions and Discharge Staff

Medical Engineers

Lab Technicians and Phlebotomists

Physicians

Nurses

Pharmacists

Ancillary Staff



# Patient Identification

Empower caregivers, reduce errors with positive identification at every step.

“The failure to correctly identify patients continues to result in medication errors, transfusion errors, testing errors, wrong person procedures, and the discharge of infants to the wrong families.”<sup>9</sup>

— The World Health Organization



**1 Help ensure patient safety and protect patient rights** using advanced hospital printers, barcoded wristbands and scanners for proximity and contact tracing insights facility-wide. Get dashboards and reports as well as individual proximity alerts to locate employees during emergencies, while protecting their privacy.

**2 Confidently identify medications** and keep frontline providers connected with patient and medication data. Reduce wrong-patient medication administration errors and confusion with drug names that look or sound alike.

**3 Improve accurate identification of specimens** by printing barcode labels at the point of collection. Help reduce errors by scanning to track and manage specimen samples.





## Clinical Mobility

Everything you need,  
on-the-go

“Improving critical communication amongst health workers and with patients is crucial and would prevent millions of adverse events.”<sup>10</sup>

— WHO Global Patient Safety Action Plan



**1** **Communicate, collaborate and enhance your clinical effectiveness** when you can access the colleagues you need with reliable voice communication, secure texting and image sharing.

**2** **Make more confident clinical decisions** when you have the right support data at your fingertips. Equip providers with the ability to access and capture data, maximizing their abilities right at the point of care.

**3** **Streamline workflows and consolidate multiple work tools** while untethering caregivers from desk phones, laptops, and clunky computers with a single system that can help reduce alarm fatigue by prioritizing and targeting alarms to individuals and teams.



## Real-Time Tracking and Locationing

Leverage the power of real-time data for actionable insights

“83% of hospitals plan to expand use of Real-Time Locationing Service (RTLS) for dynamic staff workflows.”<sup>12</sup>

— Zebra Technologies The Future of Healthcare 2022 Hospital Vision Study

Streamline inventory management

Improve supply chain management

Track, locate and protect assets and equipment

Protect people with proximity and contact tracing insights

Gain visibility across operations, purchasing and usage history

**1 Find the equipment that goes missing in busy places, especially those on wheels** – such as wheelchairs, oxygen and intravenous pumps. Save time and steps by locating staff – doctors, nurses and specialists – quickly, especially during emergencies.

**2 Know what to consign and what to own.** When you can track receipt and usage of consignments, you'll get accurate billing and speedy replenishments. Free up working capital and save valuable working space.

**3 Gain control each step of the way with visibility across your entire operation.** Improve inventory and supply chain management by knowing what you use, how much you use it and when you'll need more. Eliminate workflow bottlenecks by understanding your unique workflows, which processes to streamline and how to schedule staff more efficiently.

## Purpose-Built Hardware, Designed With Healthcare in Mind

Equip your healthcare team with devices specifically designed for busy healthcare facilities. Made to be durable to hold up to rigorous, frequent cleaning and disinfection.



Help reduce the spread of infection with medical-grade plastics



Resist infection with durable, highly scannable, antimicrobial-coated wristbands



Get the durability you need to withstand everyday drops and bumps



Power through long shifts with long-lasting batteries



Get UV-resistant housing to support UV-cleaning protocols



Provide a quieter, less intrusive environment with night mode

## Safe, Secure and Compliant

Personal smartphones may be convenient, but they can introduce security risks in clinical settings. Privacy breaches, insecure data and image storage as well as liabilities for failure to obtain patient consent, are real risks for physicians and facilities.



Secure with integrated layers of protection



Protect data for compliance with built-in security



Enable data encryption



Set application permissions preventing unauthorized user access



Customize security solutions by assessing vulnerabilities



Reduce downtime with the ability to monitor device health 24/7



## Zebra, 50 Years as a Global Technology Innovator

We're solving for major hospitals all over the world



- 5,000+ successful implementations in hospitals worldwide
- Vast, global ecosystem of specialized partners (healthcare, ISV and RFID)
- Integrates with over 30 leading electronic health records and 3rd-party vendors
- Industry-leading support with Zebra's repair program and OneCare Support services
- Leader in Gartner magic quadrant for indoor tracking solutions<sup>13</sup>
- Over 4,000+ patents and continued R&D investments
- Continual investment in acquiring and innovating IoT technology
- Over 1,200 software engineers make up our dedicated healthcare division

<sup>13</sup> \*Gartner, Inc., "Magic Quadrant Indoor Location Services, Global," Tim Zimmerman, Annette Zimmermann, 13 January 2020. This graphic was published by Gartner, Inc. as part of a larger research document and should be evaluated in the context of the entire document. The Gartner document is available upon request from Zebra Technologies. Gartner does not endorse any vendor, product or service depicted in its research publications, and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

## Zebra Technology

Fewer workarounds.  
More time to care.

To learn more, visit  
[zebra.com/healthcare](https://zebra.com/healthcare)



### Sources:

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