Access at the speed of life
When every moment matters, it’s time to rethink difficult vascular access (DVA).

Arrow®
EZ-IO®
Intraosseous Vascular Access System
A serious clinical challenge

Treatment delays for patients can lead to adverse outcomes\textsuperscript{12-15}

<table>
<thead>
<tr>
<th>Condition</th>
<th>Delay Time</th>
<th>Associated Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-shockable cardiac arrest</td>
<td>Every 3 min</td>
<td>Decreased survival\textsuperscript{12}</td>
</tr>
<tr>
<td>Acute severe hemorrhage cases</td>
<td>Every 15 min</td>
<td>Decreased survival\textsuperscript{13†}</td>
</tr>
<tr>
<td>Sepsis cases</td>
<td>Every 1 hr</td>
<td>Increased risk of mortality\textsuperscript{14}</td>
</tr>
<tr>
<td>Stroke cases</td>
<td>&gt; 1 hr delay</td>
<td>Increased mortality\textsuperscript{15‡}</td>
</tr>
</tbody>
</table>

Guidance on Peripheral IV access in DVA patients

"If attempts at IV access are unsuccessful or IV access is not feasible, we suggest IO access as a route for drug administration during adult cardiac arrest."

- International Liaison Committee on Resuscitation (ILCOR) Advanced Life Support Task Force\textsuperscript{16}

"IO access may be considered if attempts at IV access are unsuccessful or not feasible."

- American Heart Association (AHA) Guidelines for CPR and ECC\textsuperscript{17}

\textsuperscript{*Epinephrine administered in hospital cardiac arrest.}
\textsuperscript{†Analysis limited to administration of tranexamic acid. Data captured until 3 hours had elapsed.}
\textsuperscript{‡Door-to-needle time for tPA.}
The Arrow® EZ-IO® System

Immediate access via the IO route\(^1\) for DVA cases that are emergent, urgent, or medically necessary, including:

**CARDIAC**
- Cardiac arrest
- STEMI / NSTEMI

**SHOCK**
- Trauma
- Sepsis/SIRS

**RESPIRATORY**
- Intubation (RSI)
- Pneumonia

**NEUROLOGICAL**
- Stroke
- TBI

The number of infusates that can be delivered via the IO route—many at the same dose, rate, and concentration as with PIV access\(^4,6,7\)

Performs these same critical functions as peripheral IV (PIV) access:

- **FLUID DELIVERY**
- **MEDICATION DELIVERY**
- **POC BLOOD SAMPLING**

The speed you need

**10 SECONDS**

To achieve vascular access\(^*\)

**3 SECONDS**

For fluid and medication delivery to the heart through the proximal humerus\(^\dagger\)

The success you depend on

**97% FIRST-ATTEMPT SUCCESS RATE\(^3\)**

**CONSISTENT**

Availability regardless of vein condition\(^4\)

The safety profile you trust

**LESS THAN 1% SERIOUS COMPLICATION RATE\(^5\)**

**DEPENDABLE**

For the vulnerable patients in your care

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\(^*\)Time to access is measured as insertion of the needle set through the bone cortex and into the intraosseous space.

\(^\dagger\)Based on adult proximal humerus study conducted in healthy individual.
A versatile solution

Can be used by ALL qualified healthcare professionals...

...across multiple settings...

...in virtually all patient types, regardless of underlying cause of vein inaccessibility*

**Wide Range of Insertion Sites**

Do not use the powered EZ-IO® System in the sternum.

**Helping you fast-track patients with DVA**

Provides a reliable bridge° until longer-term vascular access can be established°

In a prospective, observational study on IO vs. CVC during in-patient medical emergencies

<table>
<thead>
<tr>
<th></th>
<th>IO had</th>
<th>CVC had</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Higher First-Pass Success</strong></td>
<td><strong>HDR</strong></td>
<td>90.3%</td>
</tr>
<tr>
<td></td>
<td>1: 1.2min</td>
<td>10.7min</td>
</tr>
<tr>
<td><strong>Faster Placement</strong></td>
<td><strong>HDR</strong></td>
<td>9.1%</td>
</tr>
<tr>
<td></td>
<td>1: 10.7min</td>
<td>45.8%</td>
</tr>
</tbody>
</table>

°The Arrow® EZ-IO® System is indicated any time in which vascular access is difficult to obtain in emergent, urgent, or medically necessary cases, for up to 24 hours. For patients ≥12 years old, the device may be extended for up to 48 hours when alternative intravenous access is not available or reliably established.

†Placement mean time is measured from package opening to confirmation of blood/marrow aspirate.

‡All complications, including non-serious. Insertion sites were inspected 24 hours after initial placement.
Easy to learn, easy to use, easy to choose

Easy to learn

**Minimal training required** to achieve rapid skill acquisition, fast access, success in resuscitation scenarios, and high first-attempt success rates

Easy to use*

1. **IDENTIFY**
   - Identify insertion site; select EZ-IO® Needle based on patient

2. **LANDMARK**
   - Position extremity; landmark site and clean site

3. **ACCESS**
   - Establish vascular access; remove stylet; apply stabilizer dressing and extension set†

4. **DELIVER**
   - Administer fluids and medication under pressure

*For descriptive purposes only. Please follow the complete Instructions For Use when using the EZ-IO® System.
†Connect straight to hub for pain management administration, blood sampling, or when necessary.

Easy to choose

Trusted for more than 15 years

- **>90 clinical trials and case studies**
- **Used by THOUSANDS of hospitals in more than 80 countries**
- **More than 65,000 clinicians trained globally each year on average**
- **24/7 clinical hotline for support: 888-413-3104**
Our parts set us apart

**Controlled tactile feedback**
**EZ-IO® Power Driver**
- No charging necessary
- Fully sealed for easy cleaning
- Battery indicator light

**Fast, gentle insertion**
**EZ-IO® Needle Set**
- Diamond needle tip for precision performance
- Color-coded needle system enables quick selection

**Secure catheter placement**
**EZ-Stabilizer® Dressing**
- Designed to protect the insertion site
- Recommended for use with all EZ-IO™ Needle Set insertions

Ordering information

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
<th>PATIENT WEIGHT</th>
<th>QTY/CASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EZ-IO® Power Driver</td>
<td>9058</td>
<td>NA</td>
<td>1</td>
</tr>
<tr>
<td>45 mm Needle + Stabilizer Kit</td>
<td>9079P-VC-005</td>
<td>≥40 kg</td>
<td>5</td>
</tr>
<tr>
<td>45 mm Needle Set</td>
<td>9079-VC-005</td>
<td>≥40 kg</td>
<td>5</td>
</tr>
<tr>
<td>25 mm Needle + Stabilizer Kit</td>
<td>9001P-VC-005</td>
<td>≥3 kg</td>
<td>5</td>
</tr>
<tr>
<td>25 mm Needle Set</td>
<td>9001-VC-005</td>
<td>≥3 kg</td>
<td>5</td>
</tr>
<tr>
<td>15 mm Needle + Stabilizer Kit</td>
<td>9018P-VC-005</td>
<td>3-39 kg</td>
<td>5</td>
</tr>
<tr>
<td>15 mm Needle Set</td>
<td>9018-VC-005</td>
<td>3-39 kg</td>
<td>5</td>
</tr>
<tr>
<td>EZ-Stabilizer® Dressing</td>
<td>9066-VC-005</td>
<td>NA</td>
<td>5</td>
</tr>
<tr>
<td>EZ-IO® Wall Mounted Storage Cabinet</td>
<td>9070</td>
<td>NA</td>
<td>1</td>
</tr>
</tbody>
</table>

*Each Needle Set includes a 15-gauge sterile EZ-IO® Needle, EZ-Connect® Extension Set, Patient Wrist Band, and NeedleVISE® Sharps Block

**References:**

The Arrow® EZ-IO® System is indicated for intravenous access anytime in which vascular access is difficult to obtain in emergent, urgent or medically necessary cases for up to 24 hours. For patients ≥ 12 years old, the device may be extended for up to 48 hours when alternate intravenous access is not available or reliably established.

Rx Only.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician.

The Arrow® EZ-IO® Needle Set is Sterile, Single Use: Do not reuse, reprocess or re-sterilize. Reuse of device creates a potential risk of serious injury and/or infection which may lead to death. Refer to Instructions for Use for complete warnings, indications, contraindications, precautions, and potential complications.

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