New Product Survey - RediStik Wearable PIV Trainer

Would you recommend the PIV Trainer to colleagues for just-in-time training and skills validation? (recommend) 
- Yes (101, 100.0%), No (0, 0.0%)

How many years experience do you have in starting PIVs? (years, experience) 
- 0-2 years (26, 26.0%), 3-5 years (7, 7.0%), >5 years (67, 67.0%)
### What are your credentials?

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<tr>
<th>Total Count (N)</th>
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<tbody>
<tr>
<td>101</td>
<td>0 (0.0%)</td>
<td>5</td>
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Counts/frequency: APP (21, 20.8%), RN (54, 53.4%), MD (11, 10.9%), EMT (2, 2.0%), Other (11, 10.9%)

### The PIV Trainer’s skin, soft tissue and vein simulates a real experience when palpating for the vein. Rate on a scale of 1-5 with 1 being Strongly Disagree and 5 Strongly Agree.

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<tr>
<td>101</td>
<td>0 (0.0%)</td>
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Counts/frequency: 1 - Strongly Disagree (3, 3.0%), 2 - Disagree (0, 0.0%), 3 - Neutral (2, 2.0%), 4 - Agree (34, 33.7%), 5 - Strongly Agree (62, 61.4%)
The PIV Trainer's skin, soft tissue and vein simulates a real experience when puncturing with a needle. Rate on a scale of 1-5 with 1 being Strongly Disagree and 5 Strongly Agree.

Counts/frequency: 1 - Strongly Disagree (3, 3.0%), 2 - Disagree (2, 2.0%), 3 - Neutral (2, 2.0%), 4 - Agree (44, 43.6%), 5 - Strongly Agree (50, 49.5%)

The video demonstration increased my understanding of PIV insertion. Rate on a scale of 1-5 with 1 being Strongly Disagree and 5 Strongly Agree.

Counts/frequency: 1 - Strongly Disagree (0, 0.0%), 2 - Disagree (0, 0.0%), 3 - Neutral (2, 3.2%), 4 - Agree (18, 29.0%), 5 - Strongly Agree (42, 67.7%)
I felt comfortable inserting the needle after viewing the video demonstration. Rate on a scale of 1-5 with 1 being Strongly Disagree and 5 Strongly Agree.

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<tr>
<td>62</td>
<td>39 (68.6%)</td>
<td>3</td>
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Counts/frequency: 1 - Strongly Disagree (0, 0.0%), 2 - Disagree (0, 0.0%), 3 - Neutral (1, 1.6%), 4 - Agree (18, 29.0%), 5 - Strongly Agree (43, 68.4%)

Video link: [https://www.youtube.com/playlist?list=PLvWZmgauEkKKDoEQuReYuzzhDRsAFzVHN](https://www.youtube.com/playlist?list=PLvWZmgauEkKKDoEQuReYuzzhDRsAFzVHN)
TCH nurse resident post-training survey

RediStik light tone PIV trainer and skills video utilized

**Nurse resident PIV insertion training data**

- Each nurse partnered with an instructor and RediStik PIV trainer
- Training session typically 20-30 minutes
- Utilized PIV catheters nurse will use on their unit

![Nurse Resident IV Insertion Confidence Level](image)

![Nurse Resident Average IV Insertion Confidence Level](image)
Global HOPE Center of Excellence in Malawi, founded by Texas Children’s Cancer Center

9 month QI project to improve PIV access and care
Program included wearable dark tone PIV task trainers and skills video designed by front-line innovators at TCH and training modules developed by Global HOPE leadership

Pre Assessment IV Puncture Attempts

- 81% (n=215.48)
- 19% (n=50.54)

Total n=266

Post Assessment IV Puncture Attempts

- 1% (n=1.53)
- 99% (n=151.47)

Total n=153

PIV attempts ranged from 0 to >9 with only 19% requiring ≤3 attempts

Incidence of Extravasation

- Pre-Assessment 1: 11.48
- Pre-Assessment 2: 5.00
- Post-Assessment 1: 1.05
- Post-Assessment 2: 0.92

Patients with Extravasation vs Total Patients
RediStik PIV Trainer Pilot Post-Training Survey

Would you recommend the PIV Trainer to colleagues for practice? (post_recommend) Refresh

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<tr>
<td>39</td>
<td>0 (0.0%)</td>
<td>1</td>
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Counts/frequency: Yes (39, 100.0%), No (0, 0.0%)

What are your credentials? (post_credentials) Refresh Plot

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Counts/frequency: APP (4, 10.3%), RN (28, 71.8%), MD (0, 0.0%), EMT (1, 2.6%), Other (6, 15.4%)
How many years' experience do you have in starting PIVs?

Counts/frequency: 0-2 years (15, 38.5%), 3-5 years (6, 15.4%), >5 years (18, 46.2%)

What is your comfort level in starting a PIV? Rate on a scale of 1-5 with 1 being Not At All Comfortable and 5 being Very Comfortable.

Counts/frequency: 1 - Not At All Comfortable (9, 23.1%), 2 - Somewhat Comfortable (3, 7.7%), 3 - Neutral (2, 5.1%), 4 - Comfortable (16, 41.0%), 5 - Very Comfortable (9, 23.1%)
Before using the PIV Trainer, how would you rate your PIV insertion skills? Rate on a scale of 1-5 with 1 being Very Poor and 5 Very Good.

Counts/frequency: 1 - Very Poor (5, 13.2%), 2 - Poor (5, 13.2%), 3 - Acceptable (8, 21.1%), 4 - Good (13, 34.2%), 5 - Very Good (7, 18.4%)

How effective was the PIV Trainer in improving your PIV insertion skills? Rate on a scale of 1-5 with 1 being Very Poor to 5 being Very Good.

Counts/frequency: 1 - Very Poor (0, 0.0%), 2 - Poor (0, 0.0%), 3 - Acceptable (5, 13.2%), 4 - Good (17, 44.7%), 5 - Very Good (16, 42.1%)
After using the PIV Trainer, how would you rate your PIV insertion skills? Rate on a scale of 1-5 with 1 being Very Poor to 5 being Very Good.

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<tr>
<td>38</td>
<td>1 (2.6%)</td>
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Counts/frequency: 1 - Very Poor (0, 0.0%), 2 - Poor (1, 2.6%), 3 - Acceptable (7, 18.4%), 4 - Good (17, 44.7%), 5 - Very Good (13, 34.2%)