

2022 Achievements & Highlights

SIGN by the *Numbers*

29 New SIGN Programs

28,279 Patients Healed in 2022

387,981 Patients Healed
since 1999

Programs reporting the most SIGN Surgeries in **2022**

- 1,006** **Cambodia:** Kossamak Hospital
- 753** **Tanzania:** Dodoma Regional Referral Hospital
- 745** **Tanzania:** Muhimbili Orthopaedic Institute
- 425** **Malawi:** Kamuzu Central Hospital
- 389** **Pakistan:** Gilani Hospital Complex
- 353** **Burundi:** Kibuye Hope Hospital
- 331** **Ethiopia:** Black Lion Hospital
- 300** **Kenya:** St. Orsola Hospital Matiri
- 277** **Ethiopia:** Soddo Christian Hospital
- 276** **Ethiopia:** Alert Hospital



Rahim has recovered from a fractured tibia after SIGN Surgery at Muhimbili Orthopaedic Institute in Tanzania.

SIGN 2022



Achievements & Highlights

Ukraine Response

Following the outbreak of war in Ukraine, we started new SIGN Programs at 12 hospitals throughout the country, enabling surgeons to care for people with trauma injuries in the midst of conflict and uncertainty. We sent SIGN Instruments and Implants to treat 100 patients, and additional equipment as needed to each hospital, and we have been continuing support with resupply shipments as surgeons request them.



A SIGN Surgeon in Ukraine receives their first shipment of SIGN Instruments and Implants.

Dr. Zirkle Lifetime Achievement Award

Lewis G. Zirkle, SIGN's President and Founder, received the inaugural Lifetime Achievement Award from the Orthopaedic Trauma Association. Dr. Zirkle was honored to receive this award on behalf of the

global network of SIGN Surgeons. "The OTA Board agreed unanimously it would be difficult to find someone more deserving of this honor," said Dr. Michael Archdeacon, OTA President.



SIGN Surgeons and Board Members accept the OTA Lifetime Achievement Award on behalf of Dr. Zirkle.

Continued Growth

We started or restarted SIGN Programs at 29 hospitals and expanded operations into three new countries — Ukraine, Lesotho, and Burkina Faso.

Our production team added two new machines to produce SIGN Screws, and improvements to other machines and procedures enabled our machinists to produce more screws and significantly improve rejection rates.

We have been developing an Enterprise Resource Planning system to help streamline our business processes. This system will replace multiple older systems, enable more direct communication, and provide greater security.

SIGN Conference Returns

In October, we held a small SIGN Conference focused on mentor surgeons. Each of the 30 surgeons participated in lectures, engineering workshops, and hands-on procedures in the new SIGN Bioskills Lab.



SIGN Mentors gained hands-on experience at the conference, so they can return home and provide further training for their colleagues.



SIGN Spine Surgeon Training

The day before the SIGN Conference, eight SIGN Surgeons gathered with spine experts from North America to learn and practice spine surgeries in the Bioskills Lab. The pilot project

for SIGN Spine will be launching soon, with plans to train spine surgeons and provide affordable and effective care for people with critical spine injuries.



The SIGN Spine team practiced procedures using simulated bones and human tissue in the SIGN Bioskills Lab.





SIGN Trauma Sessions

March 17
Femoral Neck Fractures

How You Helped...

Jan. - Dec. 2022

269 Hospitals received implants

59 Countries received shipments

8 SIGN Trauma Session Webinars

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Matching



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will be **matched, up to a total of \$50,000.**