



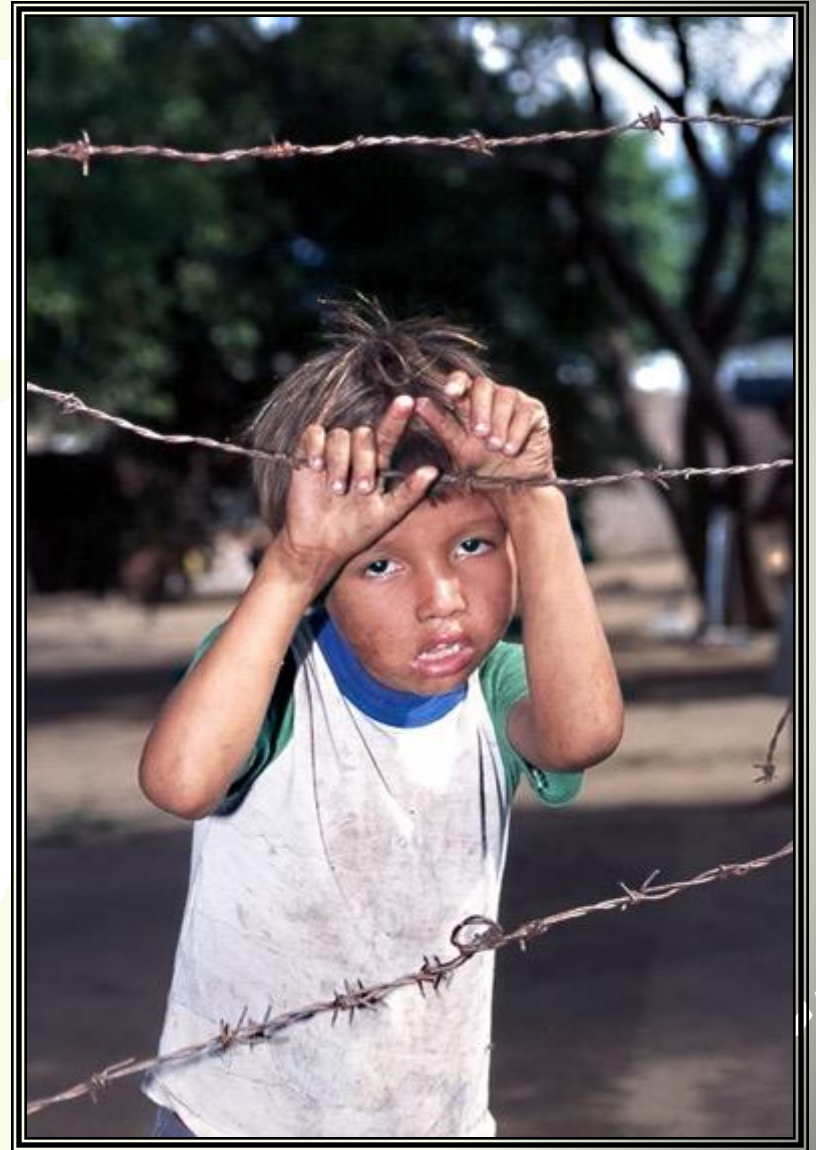
CARDIOSTART INTERNATIONAL



First...Break the chain of despair

Most missions include:

- 1. Adult & Pediatric Heart Surgery**
- 2. Major equipment donation**
- 3. Rural Clinic support**
- 4. Orphanage assistance work**



♥ CardioStart Mission Volunteers




Recent locations being assisted:

1. Kampala, **Uganda**
2. Accra, **Ghana**
3. Dar es Salaam, **Tanzania**
4. Enugu, Benin City, Lagos, & Abuja, **Nigeria**
5. Lusaka, **Zambia**
6. Guayaquil, **Ecuador**
7. Santo Domingo, **Dominican Republic**



Approx. 4750 heart centers in the world

ONE center.....



USA:	serves 120,000
Europe & Australia	serves 1 million
Asia	serves 16 million
Africa	serves 33 million

For each ONE million population, no. of cardiac cases.....

USA	= 1222 cases
Australia	= 786 cases
Europe	= 569 cases
South. America	= 147 cases
Russian Fed.	= 37 cases
Asia	= 25 cases
Africa	= 18 cases



Consequence of living outside.....

North America

Europe

Australia

**= a 8% chance of
receiving heart surgery**



Setting up and supporting programs

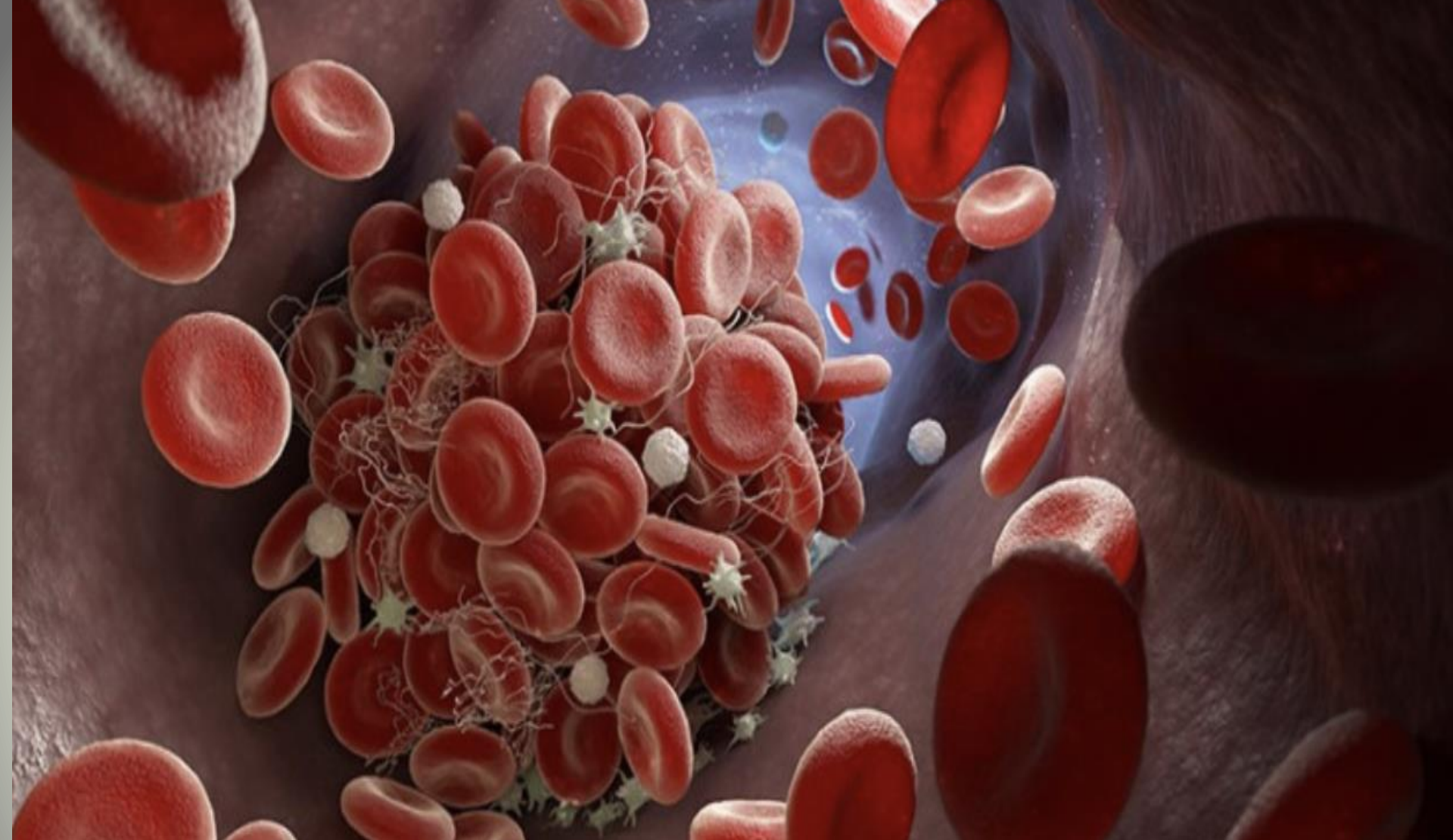
What is evident

- Lack of central funding
- Lack of diagnostic equipment
- Lack of essential surgical equipment
- Ongoing budget restrictions

What is NOT evident

- Incompetence
- Poor skills
- Lack of Initiative





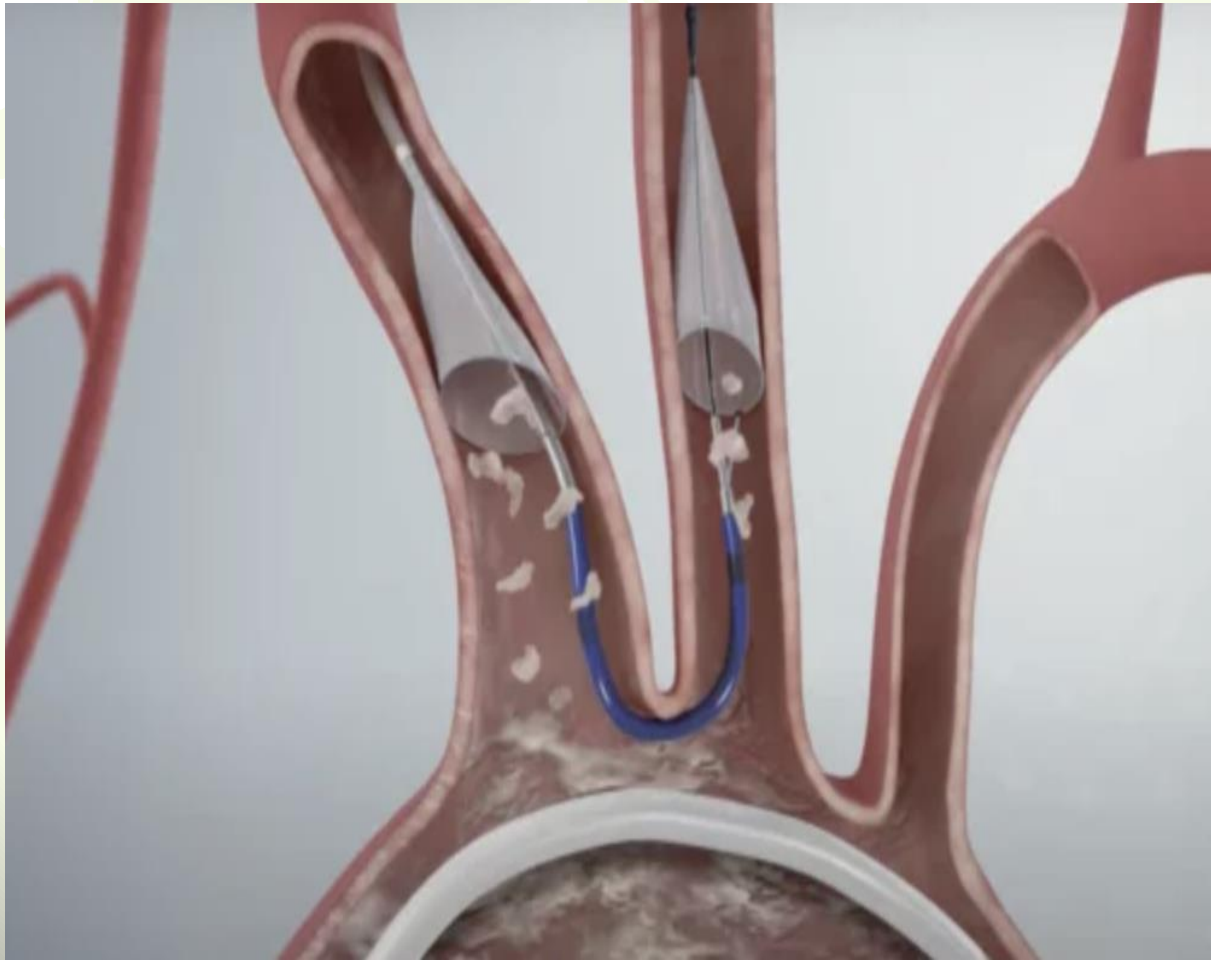
Debris in vascular system

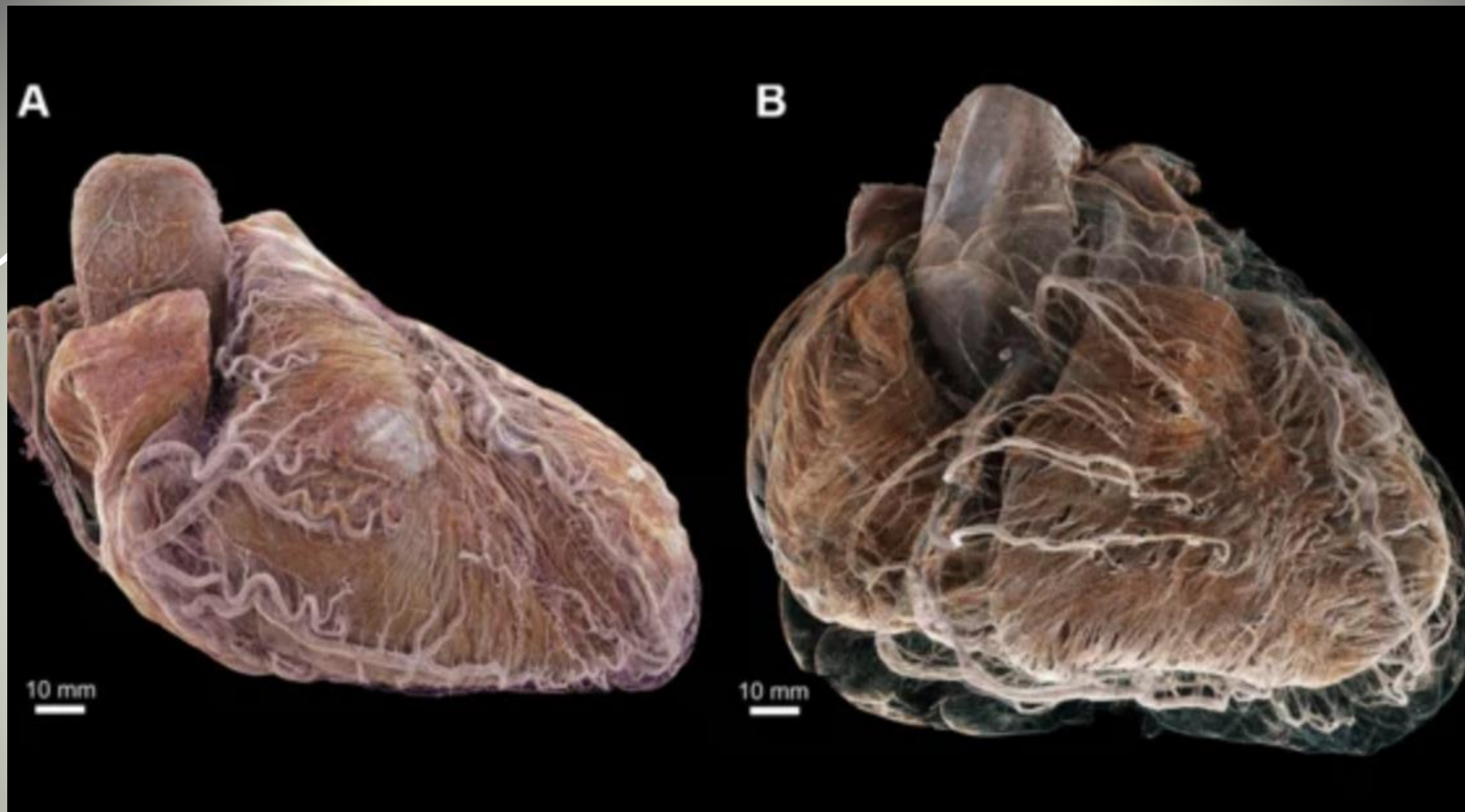


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TAVR patients –Cerebral Protection

Patients who underwent the procedure with a CPD got out of the hospital a full day faster on average. In-hospital stroke & death was also less likely if a CPD was used.





Hierarchical Phase Contrast Tomography (HiP-CT).



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Investigative Weapons

Identifying coronary Atherosclerosis

- Coronary angiography
- Stress Echocardiography
- PET MPI exams
- PET CT
- Cardiac MRI
- Stress MRI
- SPECT MPI



Obesity issues



Michelangelo's DAVID



CDC 2023 report USA

Leading causes of death:

- Heart disease
- Cancer
- ... Various categories of injuries
 - Gun deaths,
 - Drug overdoses
 - Alcohol



Staff Lay-offs

Steward: lay off 944 in Ohio amid
Hospital closures

Texas Children's lay off 1000

Hospital closures:

19 have closed since January 2024

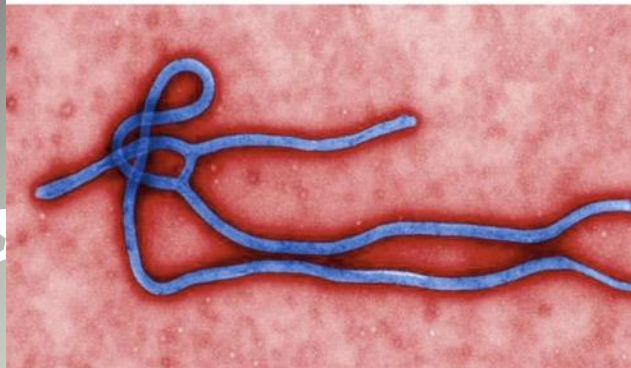
31 Chief executives have left hospitals

Ransomware / Cyber Crime

Now common.

John Hopkins appoints Cybersecurity Chief





Unplanned disasters & pandemics – a massive drain on resources







Human Error in Medicine

Safety & Medical mistakes in established centers

- A. *Estimated 44,000 – 98,000 Americans die each year as a result of medical errors.*



Human rror in Medicine

Safety & Medical mistakes in established centers

- A. *Estimated 44,000 – 98,000 Americans die each year as a result of medical errors.*
- B. *Medical mistakes = 8th leading cause of death*

Cause of accidents

- *80% Human error*
- *20 % Equipment failure*



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By JERÉ LONGMAN 12:58 PM ET
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Comments

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N.Y. / REGION

Jury in the Bronx Awards \$45 Million for a Death After Surgery

By ANEMONA HARTOCOLLIS MAY 29, 2015

A Bronx jury has awarded \$45.6 million to the parents of a man who was paralyzed at 14 and later died as a result of a spinal operation at NewYork-Presbyterian Hospital/Columbia University Medical Center, according to court papers released Friday.

The man, Edward Beloyianis, who lived in Dix Hills, Long Island, had gone to the Manhattan hospital in November 2002 for surgery to correct his scoliosis, a condition that made his spine curve in an S-shape, his lawyer, Evan Torgan, said on Friday.

Mr. Beloyianis was paralyzed from the waist down by four screws that had been misplaced during the surgery and were pressing on his spinal cord, Mr. Torgan argued during a six-month trial in State Supreme Court in the Bronx.

Despite the paralysis, he was able to attend college and work repairing computers, but he died eight years after the surgery, at 22, of complications of the paralysis, his lawyer said.

On May 27, after three days of deliberation, the jury awarded \$45.6 million to Edward's parents, Michael Beloyianis and Virginia Reaton, including \$40 million

Medico-Legal Intrusion



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- Doctor loses license – streaming procedures to TikTok
- Physician receives heavy fine for HIPAA violations
- Patient sues for deceptive proscribing by a practice
- Kaleida Health's former chief of surgery, Buffalo, N.Y.
.....Administration punishment for reporting patient safety concerns and professional misconduct
- Helena, Montana-based St. Peter's Health
\$10.8 million to settle allegations of false claims to federal healthcare programs for oncology services.



Health Ministries Concerns

- *Non-Communicable Diseases*
- *Social diseases*
STD 1million daily confirmed
- *Smoking:*
CDC confirmed in 2022
67% wanted to quit, but
only 8.8% succeeded
- *Alcohol dependence affects*
400 million people
- *Avoidable trauma –MVA*



Trained Nurses

USA nurses are leaving the profession within 5 years

Also a world-wide problem:

- too few
- underpaid
- under-appreciated
- working too hard
- ignored
- Abused, yet...

....vitally responsible



Regional instability



Anticoagulation & other medications
Heparin/protamine efficacy & availability

"All the News
That's Fit to Print"

The New

VOL. CLVII No. 54,161

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MONDAY

Free Trade Zones Ease Passage Of Counterfeit Drugs to U.S.

By WALT BOGDANICH

DUBAI, United Arab Emirates
— Along a seemingly endless row
of identical gray warehouses, a
lone guard stands watch over a

A TOXIC PIPELINE
The Euro Gulf Raid





1. Where is 3rd World?

*2. Who holds the
Gold Standard?*



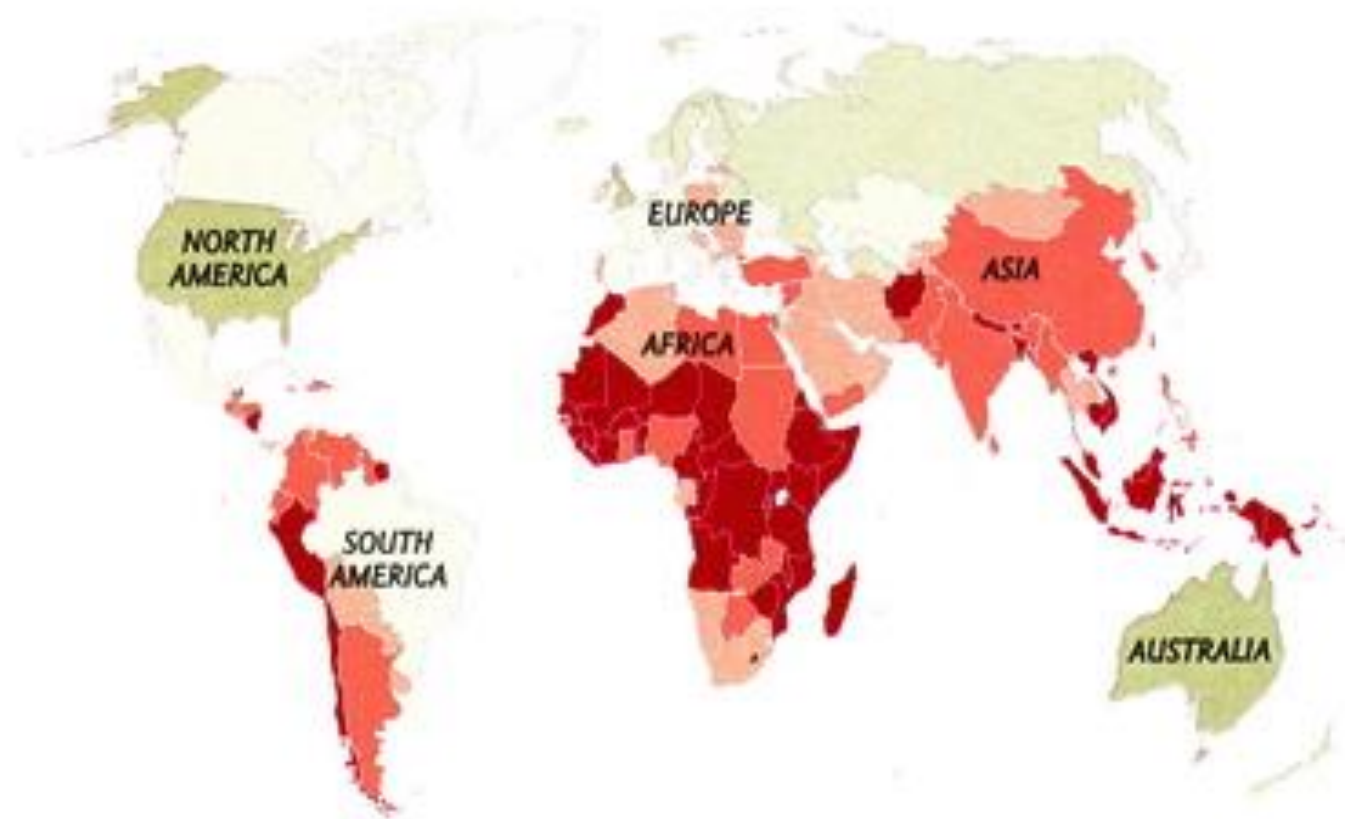
Regional differences in health provision

NUMBER OF HEALTH CARE WORKERS

PER 1,000 PEOPLE



No data



Poverty rarely has a voice





Nepal Natural Disaster



Our Logistics Program



2022-2024: Ukraine, Ecuador, Haiti, Afghanistan,
Dominican Republic, Philippines, Cambodia & Nigeria

Improvisation





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Thank You! ALL

And, especially,

Skip Gregory

Julie Walker





"Perhaps I've said too much."