

# DEPARTMENT OF SURGERY

## *THEN AND NOW*

Carlos A. Pellegrini, MD, FACS, FRCSI (Hon.)

*The Henry N. Harkins Professor and Chair*

MEDICAL SCHOOL EXECUTIVE COMMITTEE

JANUARY 9, 2015

WINTER STAFF MEETING DoS

JANUARY 27, 2015

# Outline

- **History**
- **Mission-Vision-Major Initiatives**
  - **Philanthropy – Professionalism – Diversity**
- **Department Education**
- **Department Research**
- **The Clinical Divisions**
- **Conclusions**

# Leading The Department of Surgery Through The Years

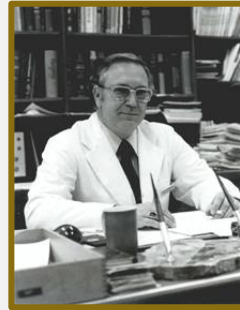
Henry N.  
Harkins  
1946–1964



Alvin K.  
Merendino  
1964–1972



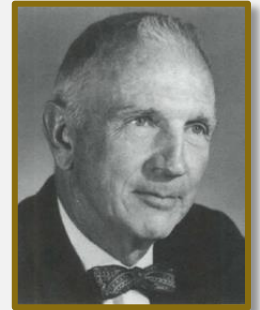
John K.  
Stevenson  
1972–1974



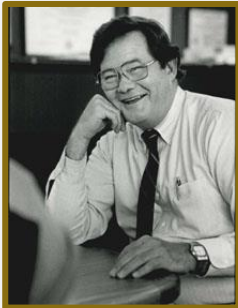
Tom  
Shires  
1974–1975



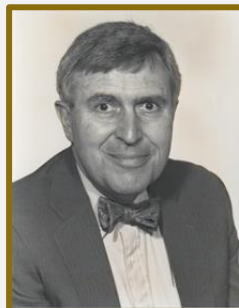
John A.  
Schilling  
1975–1983



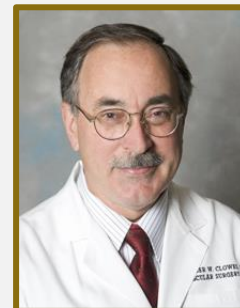
C. James  
Carrico  
1983–1990



David G.  
Ashbaugh  
1990–1991



Alexander  
W. Clowes  
1992–1993



Carlos A.  
Pellegrini  
1993–Present



**WHY DO WE  
COME TO  
WORK?**

# Achieving Our Mission

Photo credit: Clare McLean/UW Medicine



Dr. Alessandro Fichera (left), surgery, performing laparoscopic hemicolecotomy at UW Medical Center. Resident is Josh Mourot (right). SCOAP checklist in background.

The Department of Surgery will provide compassionate and high quality patient-centered care, train future generations of surgical leaders and conduct research in a collegial environment which embraces diversity and promotes inclusiveness.

UW Medicine  
DEPARTMENT OF SURGERY

# Advancing Our Vision

We will be known as a department that provides cutting edge and compassionate clinical care while training the next generation of surgical leaders in a collegial environment and advancing medical knowledge. In partnership with the School of Medicine and our health care institutions, we will eliminate inequities in our faculty, residents, and staff and create an environment which values inclusiveness and the pursuit of excellence.

Photo credit: Clare McLean/UW Medicine



Dr. Nicole Gibran (center), surgery, with providers during rounds at the UW Medicine Regional Burn Center at Harborview Medical Center.

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# Department of Surgery: *Then and Now*

- Created highly specialized services in focused areas
- Integrated those services with other departments
  - The “Blurring of the Boundaries”
- Recruited and retained faculty and staff that were top human beings in addition to top performers
- Developed an environment of mutual respect where everyone shares the burden of work and the pleasure to serve
- Emphasized excellence over everything else

# Department of Surgery: *Then and Now*

- Created highly specialized services in focused areas
- Integrated those services with other departments
  - The ‘
- Recruit top human resources
- Develop everyone to serve patients where pleasure
- Emphas

**HUMAN  
CAPITAL**

# Patients Are First 2014 Clinician Survey Results

**“My Department Chair, Division/Service Chief, and or Physician Leader has given me information regarding PAF goals and performance in our clinical area”**

				<b>97.0%</b>		
Answer Options	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Response count
Response Percent	0.0%	0.0%	3.0%	28.8%	68.2%	
Response Count	0	0	2	19	45	
				Answered question		66
				Skipped question		0

# Patients Are First 2014 Clinician Survey Results

“I am committed to improving the quality and efficiency of patient care at UW Medicine.”

				<b>100.0%</b>		
Answer Options	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Response Count
Response Percent	0.0%	0.0%	0.0%	16.7%	83.8%	
Response Count	0	0	0	11	55	
				Answered question		66
				Skipped question		

# Patients Are First 2014 Clinician Survey Results

“Over the past year, my Department Chair, Division/Service Chief and/or Physician Leader has asked me:”

Department of Surgery					
Answer Options	Yes (n)	Yes (%)	No (n)	No (%)	Response Count
What is going well in my practice?	58	87.9%	8	12.1%	66
What could work better	58	89.2%	7	10.8%	65
Do I have ideas for improvement?	57	87.7%	8	12.3%	65
			Answered question		66
			Skipped question		0

All Departments					
Answer Options	Yes (n)	Yes (%)	No (n)	No (%)	Response Count
What is going well in my practice?	612	67.4%	296	32.6%	908
What could work better	622	68.6%	285	31.4%	907
Do I have ideas for improvement?	627	69.7%	273	30.3%	900
			Answered question		908
			Skipped question		7

# Patients Are First 2014 Clinician Survey Results

## % Physician's who are very satisfied or satisfied

		Department of Surgery				86.4%	
Answer Options	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very Satisfied	Response Count	
Response Percent	0.0%	1.5%	12.1%	60.6%	25.8%		
Response Count	0	1	8	40	17		
				Answered question		66	
				Skipped question		0	

		All Departments				68.9%	
Answer Options	Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Response Count	
Response Percent	2.0%	9.3%	19.8%	49.9%	19.0%		
Response Count	18	85	181	455	173		
				Answered question		912	
				Skipped question		3	

# Patients Are First 2014 Clinician Survey Results

## % Physician's who are very satisfied or satisfied

		Department of Surgery	86.4%		
Answer Options	Very dissatisfied	86.4%			Response Count
Response Percent	0				66
Response Count					0

		All Departments	68.9%		
Answer Options	Strongly disagree	68.9%			Response Count
Response Percent	2.0				912
Response Count	18				3

# “Recipe”

- **Communication**
  - **Meaningful**
  - **Credible**
  - **Has a “human touch” associated with it**
- **Caring**
  - **Personal**
  - **“Leaders eat last”**
- **Respect**
  - **Encouraging and listening to dissenting opinions**
- **Celebrating excellence**




# The Importance of Philanthropy

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# Current Endowed Chairs and Professorships

10 Endowed Chairs	Current Chair Holder	
Henry N. Harkins Endowed Chair		Dr. Carlos Pellegrini
Samuel And Althea Stroum Endowed Chair		Dr. Jonathan Chen
Endowed Chair in Lung Cancer Research		Dr. Doug Wood
Jane and Donald Trunkey Endowed Chair in Trauma Surgery		Dr. Ron Maier
David and Nancy Auth-Washington Research Foundation Endowed Chair for Restorative Burn Surgery		Dr. Nicole Gibran
Herbert E. Coe Endowed Chair in Pediatric Surgery		Dr. Bob Sawin

# Current Endowed Chairs and Professorships

10 Endowed Chairs	Current Chair Holder
Maryls C. Larson Endowed Chair in Pediatric Craniofacial Surgery	 Dr. Joe Gruss
Roger K. Gieseck Distinguished Chair in Transplant Surgery	 Dr. Jorge Reyes
The V. Paul Gavora & Helen and John Schilling Endowed Chair in Vascular Surgery	 Dr. Alec Clowes
The Alexander Whitehill Clowes Endowed Chair in Vascular Surgery	No holder yet

# Current Endowed Chairs and Professorships

9 Endowed Professorships	Current Holder
Edmark Professorship in Cardiovascular Surgery	 Dr. Gabriel Aldea
The Lester and Connie LeRoss Endowed Professorship in Cardiovascular Surgery	 Dr. Nahush Mokadam
The UW Medicine Distinguished Endowed Professorship in Lung Transplant Research	 Dr. Michael Mulligan
The K. Alvin and Shirley E. Merendino Endowed Professorship	 Dr. Ed Verrier
The Byers Endowed Professorship in Esophageal Research	 Dr. Brant Oelschlager

# Current Endowed Chairs and Professorships

9 Endowed Professorships	Current Holder	
<p>The George Bilsten Professorship in the Art of Communication with Peers and Patients</p>		<p>Sara Kim, Ph.D.</p>
<p>The Jamie A. Hunter Endowed Professorship in Reconstructive Plastic Surgery</p>		<p>Dr. Nick Vedder</p>
<p>Center for Videoendoscopic Surgery Endowed Professorship</p>	<p>No Current Holder</p>	
<p>Mary &amp; Dennis Wise Professorship</p>	<p>No Current Holder</p>	

# Total Endowments & Distributions FY 14

- **Total Department Endowment Amount: \$ 43,236,490**
- **Total Number Department Endowments: 52**
- **Distribution FY 2014: \$ 1,752,427**

# 2014 Department of Surgery Faculty & Staff Gifts

<b>Faculty Giving</b>	<b>Staff Giving</b>
25 Faculty Members (all Divisions)	5 Staff
Total: \$54,211	Total: \$1,650
Gift range: \$200 - \$10,500	Gift Range: \$55 - \$600

**Total of All Gifts: \$55,861**

**Total Givers: 30**

# Diversity & Inclusion In The Department of Surgery



**Dr. Leah Backhus**  
Assistant Professor



**Dr. Elina Quiroga**  
Assistant Professor



Department of Surgery SBAS Scholarship Awardees since inception: Damien Carter, MD (left), Estell Williams, MD (middle) and Edo Bedzra, MD (right)



**Dr. Andre Dick**  
Associate Professor



**Dr. Martin Montenovo**  
Assistant Professor



2014 SBAS Annual Scientific Meeting  
From left to right: Drs. Leah Backhus, Edo Bedzra, Estell Williams, Andre Dick, Lara Oyetunji and Damien Carter

# Division of Education

**Karen Horvath, MD, FACS**

**Associate Chair for Education**

**Director, Residency Program in General Surgery**



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## *Then...*

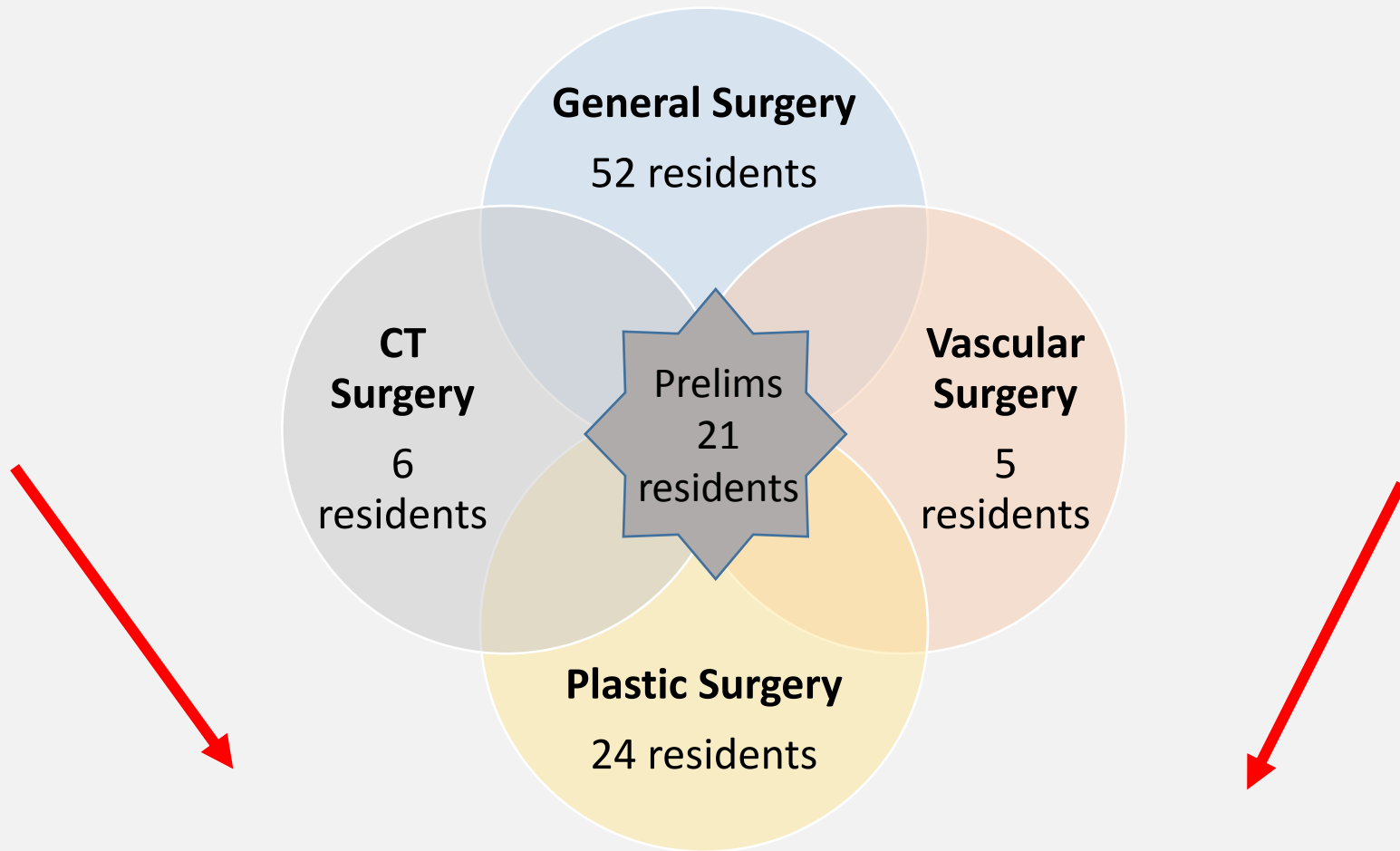
- **Residency in General Surgery in 1993:**
  - “8 citations from recent RRC visit”
  - “Accreditation cycle of 2 years”
  - “Expect Probationary Status if citations not corrected”

## *Now...*

- We enjoy full accreditation with longest cycle
- We received a letter of commendation from RRC for Surgery
- We attract the best and the brightest from all over the US....

# Residency Program Council

## Community of 4 Residency Programs



All 4 programs recruit the top 1% of LCME applicants

## *Now...*

- We enjoy full accreditation with longest cycle
- We received a letter of commendation from RRC for Surgery
- We attract the best and the brightest from all over the US
- We have one of the highest number of women and other minorities of any residency in the US

# July 2015 Resident Graduating Residents



# July 2016 Resident Graduating Residents

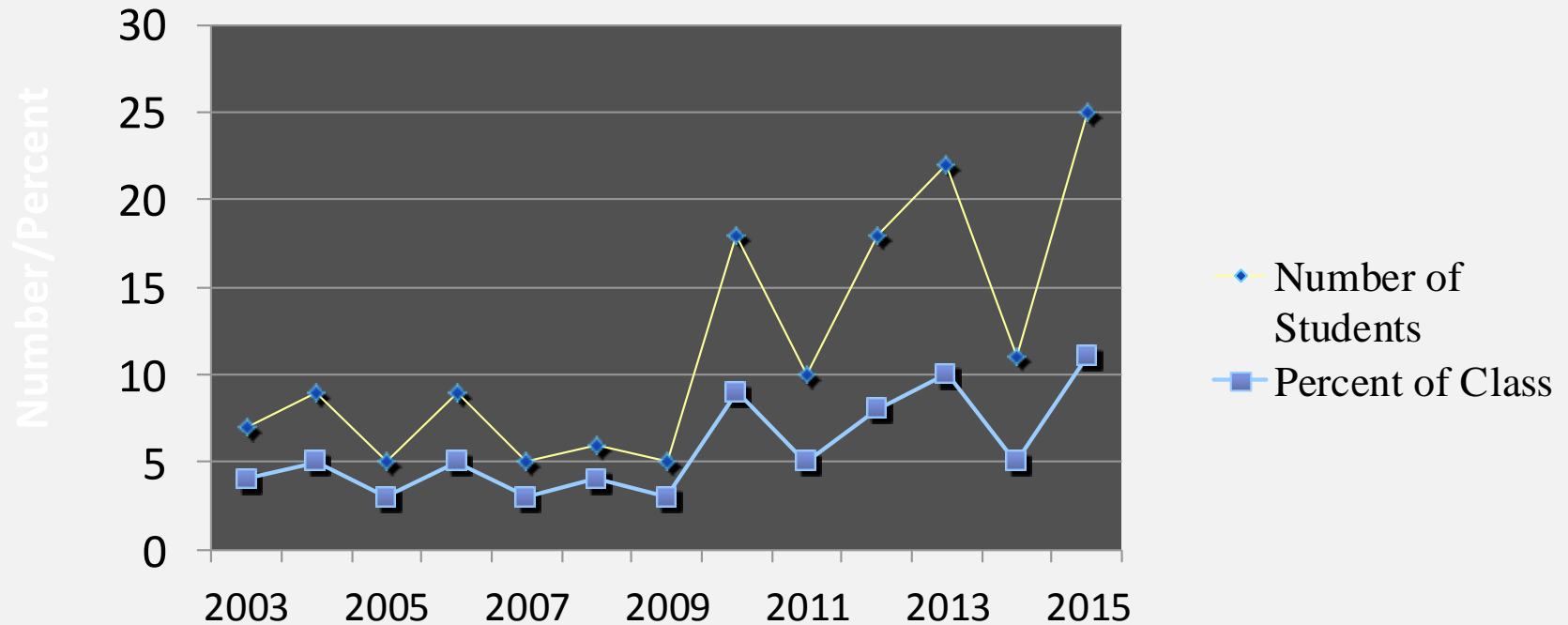


## *Now...*

- We enjoy full accreditation with letter of commendation from RRC for Surgery
- We attract the best and the brightest from all over the US
- We have one of the highest number of women and other minorities of any residency in the US
- And we attract to surgery our **OWN STUDENTS**

# Career Counseling and Residency Applications

## UWSOM Students Matching in General Surgery

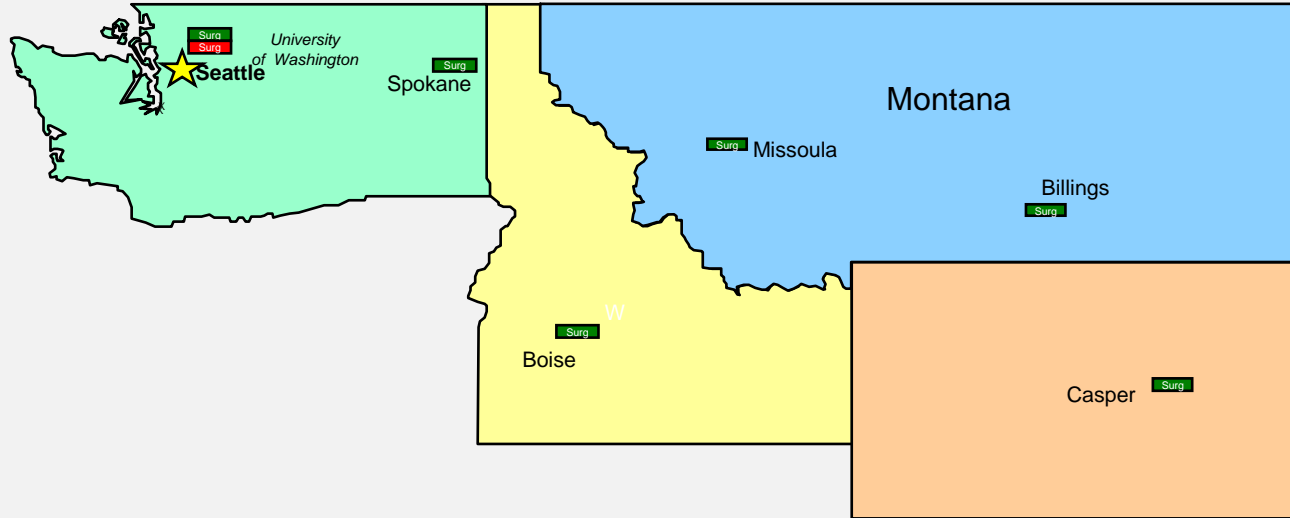
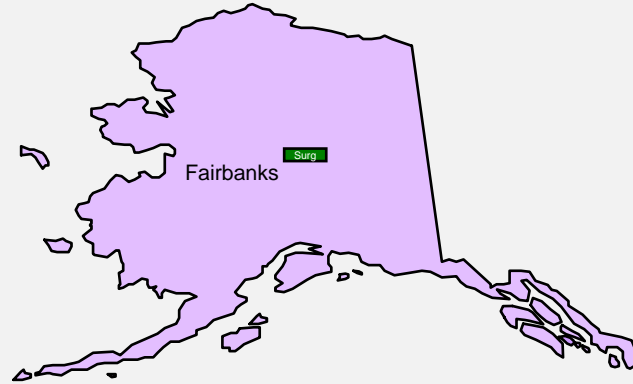


Nationally, 4.8-5% of US and Canadian medical students match in Surgery  
(source: nrmp.org)

# Student Section Highlights



**Roger Tatum, MD**  
**Associate Professor of Surgery**  
**Student Clerkship Director**



# Surgical Education in the WWAMI Program

## Central and Regional Clerkship Sites

- 5 Seattle sites
  - UWMC - Virginia Mason Medical Center
  - HMC - Swedish Medical Center\*
  - VAMC
- 15 community hospital sites throughout the WWAMI region
  - Madigan Army Medical Center Kalispell, MT
  - Fairbanks, AK Bozeman, MT
  - Anchorage, AK\* Billings, MT
  - Spokane (2 sites) Missoula, MT
  - Wenatchee Casper, WY
  - Boise, ID VAMC Sheridan, WY
  - Caldwell, ID
  - Coeur d'Alene, ID

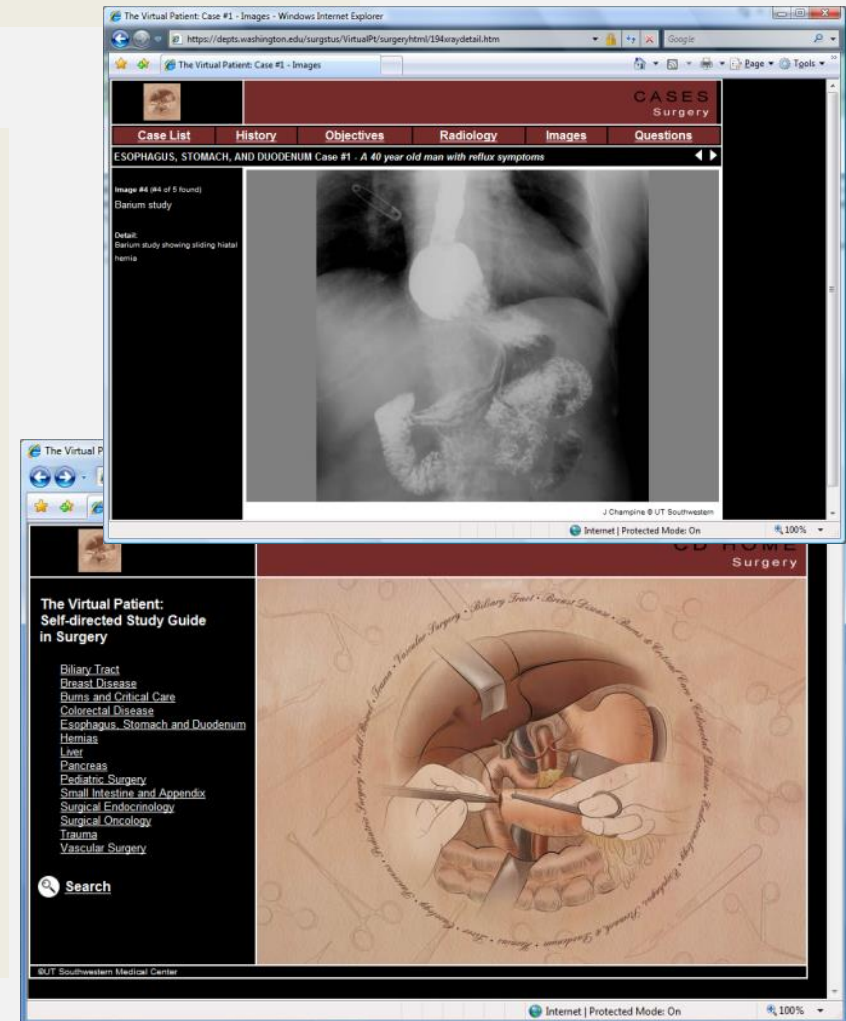
\*New sites in 2014-2015 academic year

# Curriculum

## New Tools: The Virtual Patient

A collection of simulated surgical cases divided by categories, developed at University of Texas Southwestern

- Used to supplement students' clinical experiences, for cases that they do not see
- Each case has:
  - Brief history
  - Questions and answers on w/u and tx
  - Associated radiologic images
  - Anatomic and surgical illustrations



# “ACS Surviving Surgical Internship”

## 4<sup>th</sup> Year Surgery Student Residency Prep Course

- **Goal:** to provide greater consistency of the finished medical school product with respect to readiness to begin surgical internship regardless of medical school attended
- Curriculum focused on application of previously learned knowledge and skills (“finishing school”)
- 2014 - UW beta test site ←
- **Future Plan:** expansion to a 2-week UWSOM elective
- Completion will eventually be national requirement for all surgery interns



100+years

**AMERICAN COLLEGE OF SURGEONS**

*Inspiring Quality: Highest Standards, Better Outcomes*

# Promoting Diversity

- Focus on Applicants to our residency
- Significant growth in number of African American surgery residents in past 5 years
- Carlos A. Pellegrini Diversity Visiting Student Sub-Internship Program
- UW Surgery Interest Group
  - Dr. Kari Keys (Plastic Surg)--Dr. Farhood Farjah (CT)



# Global Health Track



- Created in 2009
- Only one of its kind in U.S.
- Purpose: to train surgical leaders in GH with scientific research tools and knowledge necessary to sustain an academic surgical career with a focus on surgical Global Health that will advance surgical care, research and education in the global or rural surgery settings

# Simulation Highlights in the Department of Surgery

Andrew Wright, MD

Associate Professor of Surgery

Director, Resident Technical Skills Training



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## ALL ISIS ACTIVITIES (FY13)

Site	Activities	Learners	Learner Hours
<b>UWMC</b>	720	4,374	13,594
<b>HMC</b>	464	6,394	35,857
<b>NWH</b>	558	4,809	19,140
<b>Boise</b>	158	848	4,741
<b>GRAND TOTAL</b>	<b>1,900</b>	<b>16,425</b>	<b>73,332</b>

# ISIS Serves Multiple Roles

- Resident skills training
- Cadaveric Training
- Community Outreach
- Curriculum & Online Training / Video Development
- Faculty Development
- In-House Skills
- Interprofessional Education
- Maintenance of Skills & Certification
- Research
- TeamSTEPPS National Training Facility



# Self-Guided/EVATS

## EVATS R5 Portfolio

*(Print this form, complete it and give to Dr. Horvath's office for review.)*

Your Name: \_\_\_\_\_

As the R5 you are the chief of the EVATS service. This should be considered commensurate with the responsibilities of any clinical service. You are responsible for your own technical skills education, and also that of the junior residents on EVATS. When there are vacation conflicts, you may delegate chief responsibilities to the R3 or R4 while you are out of town.

You should be available to assist more junior residents with all aspects of their own portfolios. You should also coordinate with the EVATS faculty (Wright, Standeven, Edwards, Hincosa) at least one group skills session per week for all residents on the EVATS service. Elizabeth at the ISIS front desk will keep a calendar of available office hours for the ISIS faculty.

OPEN SKILLS	DATE COMPLETED
Reread RM Kirk's Article (intranet -> Toolbox) <a href="https://dopts.washington.edu/surgco/toolbox/rmkirk.pdf">https://dopts.washington.edu/surgco/toolbox/rmkirk.pdf</a>	
Read the Technical Skills Manual on the EVATS intranet <a href="https://dopts.washington.edu/surgco/evatsmanual.html">https://dopts.washington.edu/surgco/evatsmanual.html</a>	
Practice all open skills to proficiency levels noted on the Open Skills Self-Assessment Test <a href="http://sis.washington.edu/simulators/surgery_skills/basic_skills.htm">http://sis.washington.edu/simulators/surgery_skills/basic_skills.htm</a>	Alberti Self-Assessment Test
Administer the Open Skills Expert Assessment Test to junior on EVATS <a href="http://sis.washington.edu/simulators/surgery_skills/expert_skills.htm">http://sis.washington.edu/simulators/surgery_skills/expert_skills.htm</a>	Examinee's name: Examinee's name:
<b>Vascular Anastomosis</b>	
<ul style="list-style-type: none"> <li>Read Basic Vascular Surgical Techniques by Rutherford</li> <li>Complete vascular module of ACS/STPS technical skills curriculum (<a href="http://learning.facs.org">http://learning.facs.org</a>)</li> <li>15 Coding vascular anastomoses</li> </ul>	
<b>Bowel Anastomosis</b>	
<ul style="list-style-type: none"> <li>Watch bowel anastomosis video at <a href="http://youtu.be/KYU_4y8USng">http://youtu.be/KYU_4y8USng</a> (double layer) and complete the Bowel Anastomosis module (<a href="http://learning.facs.org">learning.facs.org</a>)</li> <li>15 Foam intestinal anastomoses - 1 layer</li> <li>15 Foam intestinal anastomoses - 2 layer</li> <li>Complete Stapled Bowel Anastomosis module (<a href="http://learning.facs.org">learning.facs.org</a>)</li> <li>Contact Scott Jenkins from Covidien for supplies and order (<a href="mailto:jsschick@scott.jenkins@covidien.com">jsschick@scott.jenkins@covidien.com</a>, 425-358-0652)</li> </ul>	

Open Skills  
Lap Skills  
Endoscopy  
Core Competencies  
Research Project



# Residency Activities

- **Northwest Hospital**
  - **AY14: New R3 rotation**
  - **AY16: R2 rotation to be added**
- **Valley Hospital**
  - **AY15: 1 Dept of Surgery resident rotation with broad participation**
    - **General Surgery R2's – 2 months**
    - **Plastic Surgery R3's – 3 months**
    - **Thoracic Surgery R4 – 4 months**
    - **Vascular Surgery R4 – 3 months**



# Department of Surgery Research Enterprise

David Flum, MD, MPH  
Associate Chair for Research



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# Our Vision

University of Washington is the premier  
home for surgical research.

# Who We Are

## Pharmaceutical & Device Trials

Gabriel Aldea  
E. Patchen Dellinger  
Thomas Hatsukami  
Nahush Mokadam  
Niten Singh  
Benjamin Starnes  
Matthew Sweet  
Nam Tran

## Simulation & Education

Kari Keys  
Sara Kim  
Nahush Mokadam  
Carlos Pellegrini  
Elina Quiroga

Mika Sinanan  
Nam Tran  
Erik Van Eaton  
Andrew Wright

## Injury, Burn, & Inflammation

Saman Arbabi  
Eileen Bulger  
Joseph Cuschieri  
Jeffrey Friedrich  
Nicole Gibran  
Anne Hocking

Ronald Maier  
Samuel Mandell  
Charles Mock  
Tam Pham  
Grant O'Keefe

## Health Services/ Outcomes

Danielle Lavallee  
James Perkins  
Thomas Hatsukami  
Joshua Hermsen  
Kari Keys  
Otway Louie  
Samuel Mandell  
Mark Meissner  
Douglas Wood

Saman Arbabi  
Leah Backhus  
Craig Birgfeld  
Shannon Colohan  
Giana Davidson  
E. Patchen Dellinger  
Farhood Farjah  
David Flum  
Adam Goldin

## Cancer

Leah Backhus  
Shannon Colohan  
Farhood Farjah  
Sara Javid  
Kenneth Gow  
Danielle Lavallee

James Park  
James Perkins  
Venu Pillarisetty  
Kimberly Riehle  
Douglas Wood  
Raymond Yeung

## 10 research cores From basic science to health policy

## Global Health

Benjamin Anderson  
Charles Mock

## Transplant

Andre Dick  
Nahush Mokadam  
Martin Montenovio  
Michael Mulligan  
Susanna Nazarian

Jay Pal  
Stephen Rayhill  
Jorge Reyes  
Lena Sibulesky

## GI Physiology & Metabolism

Giana Davidson  
Patrick Javid  
Brant Oelschlager  
Carlos Pellegrini  
Kimberly Riehle  
Mika Sinanan  
Roger Tatum

## Vascular Biology

Gabriel Aldea  
Alexander Clowes  
Thomas Hatsukami  
Sherene Shalhub  
Michael Sobel  
Gale Tang  
Errol Wijelath

## Reperfusion

Michael Mulligan  
Lorrie Langdale

# Measuring Success

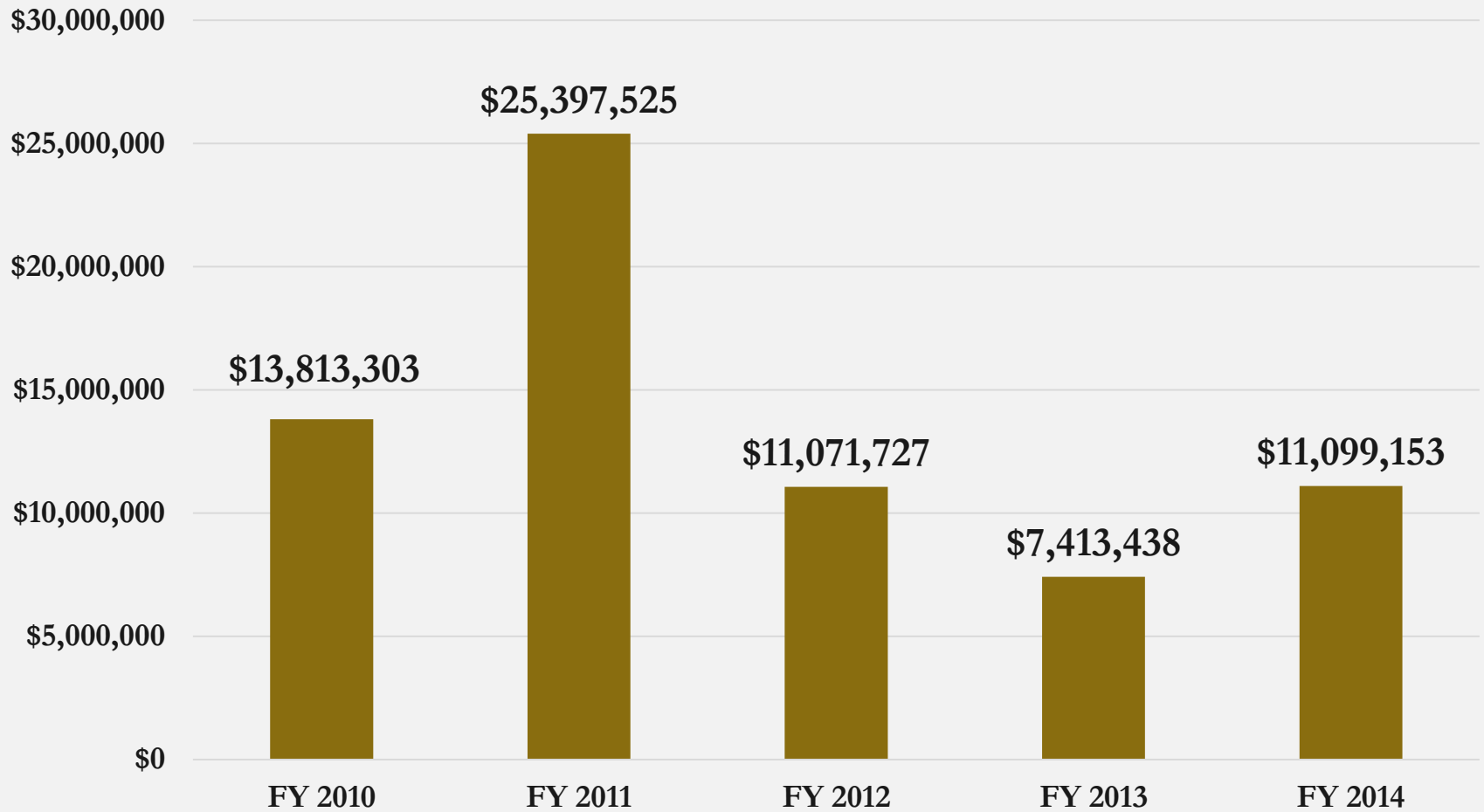
We judge the success of our research enterprise along three dimensions:

Funding

Impact

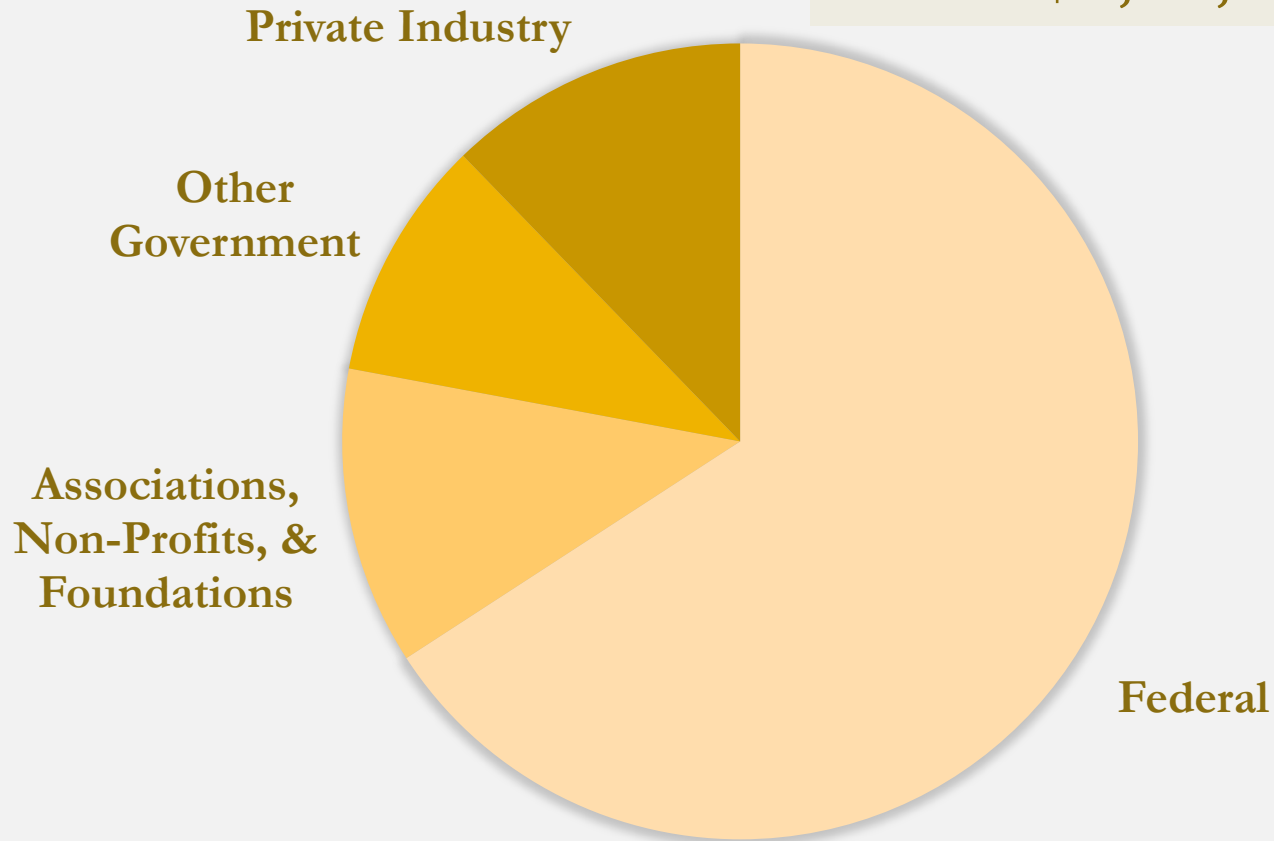
Culture

# Funding Trends Over Time: FY 2010 – 2014



# FY 2014 Funding Sources

**Total Awards in FY 2014:  
\$11,099,153**



- **Changing the way we think about disease**
- **Changing healthcare policy**
- **Training the next generation**

# A Strong Culture of Research

**DOS faculty surveyed annually to help assess success in creating a successful culture of research**

**In 2014:**

**Two-thirds of DOS faculty think of themselves as researchers,**

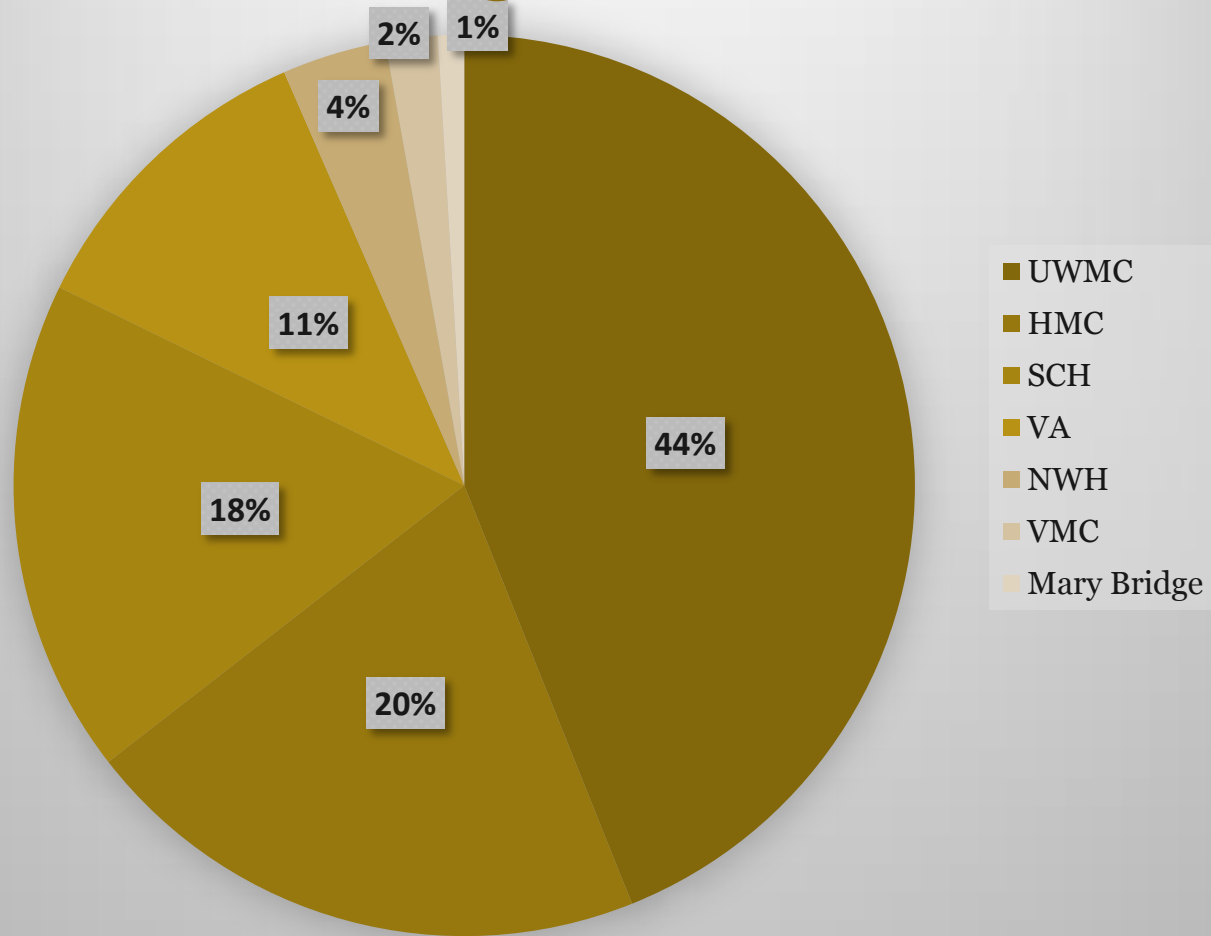
**..... 38% of faculty actually received grant funding this year.**

**73% feel that the DOS research enterprise is in a better position than it was one year ago**

**...41% feel that DOS is “top of the pack” compared to peer institutions.**

# The Department of Surgery Now

## The 107 Surgeons Are Base At:



Faculty

Surgeon

Research

ARNP

PA-C

Perfusion

S

# Department of Surgery

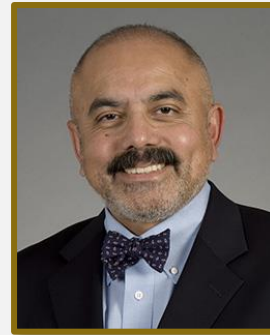
## Eight Clinical Divisions



**Dr. Ron Maier**  
Chief, Trauma,  
Critical Care and Burns



**Dr. Brant Oelschlager**  
Chief, General Surgery



**Dr. Jorge Reyes**  
Chief, Transplant Surgery



**Dr. Robert Sawin**  
Chief, Pediatric Surgery



**Dr. Benjamin Starnes**  
Chief, Vascular Surgery



**Dr. Roger Tatum**  
Chief, VA Health Care

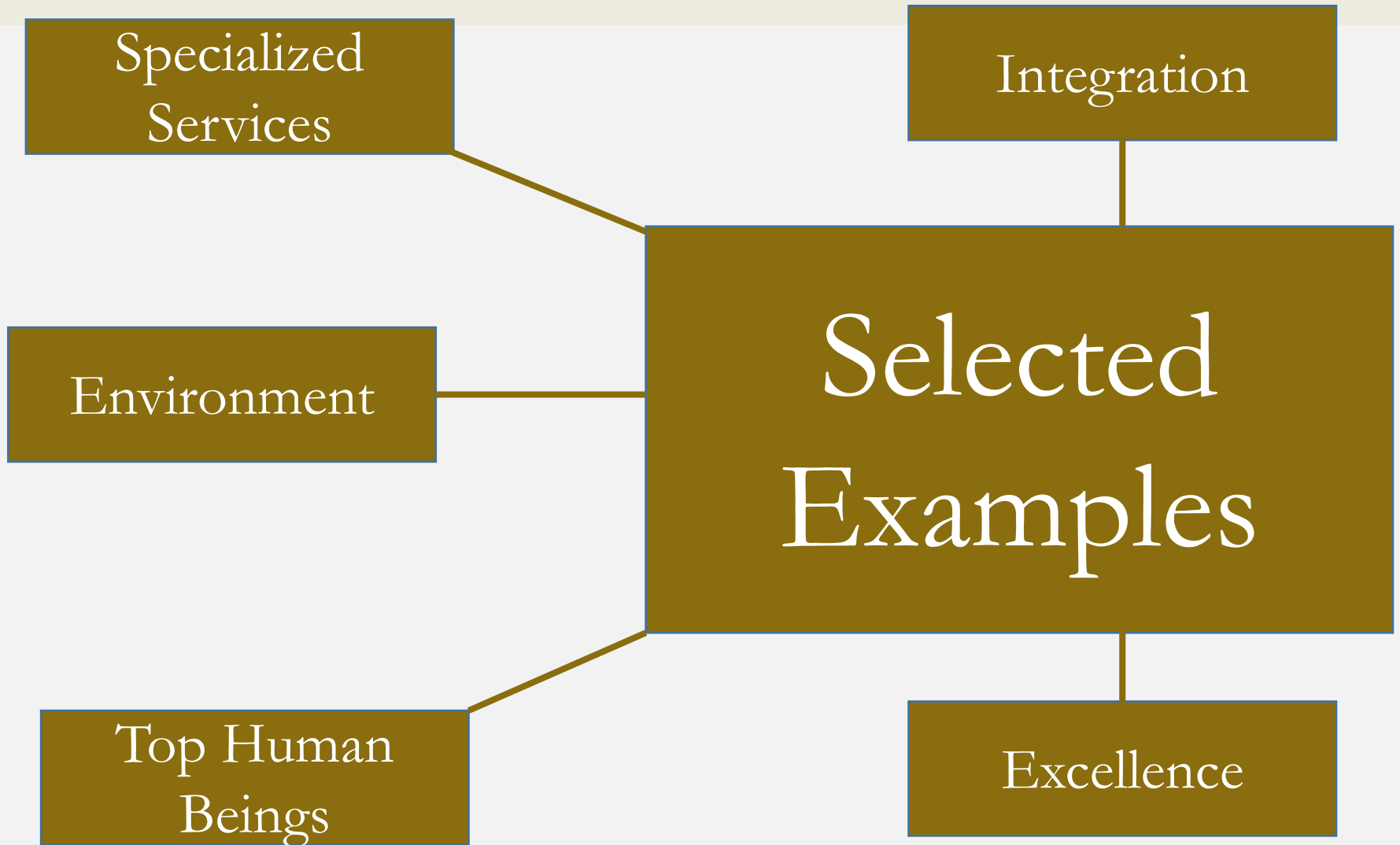


**Dr. Nicholas Vedder**  
Chief, Plastic Surgery



**Dr. Doug Wood**  
Chief, Cardiovascular Surgery

# Clinical Divisions Achievements



# General Surgery *THEN....*(1993)



**Dr. Patch Dellinger**



**Dr. Mika Sinanan**

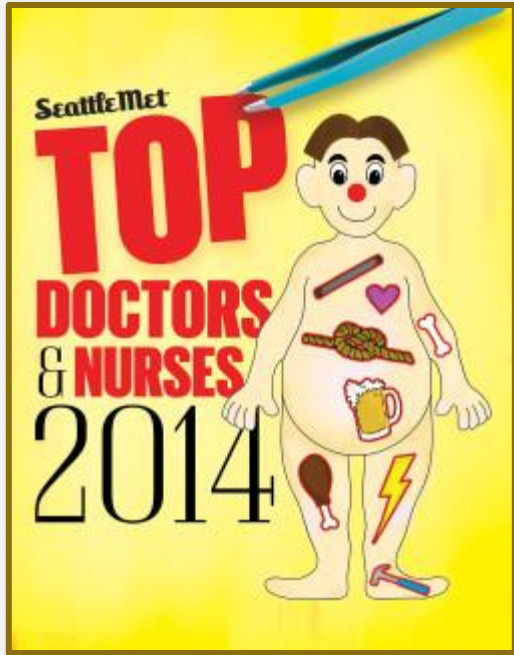


**Dr. Carlos Pellegrini**

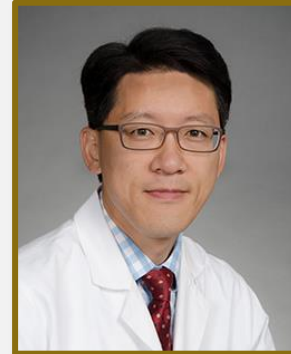
# General Surgery *NOW.... (2014 Christmas Card)*



# Honors & Awards



Dr. Carlos  
Pellegrini



Dr. James  
Park



Dr. Patch  
Dellinger



Dr. Brant  
Oelschlager



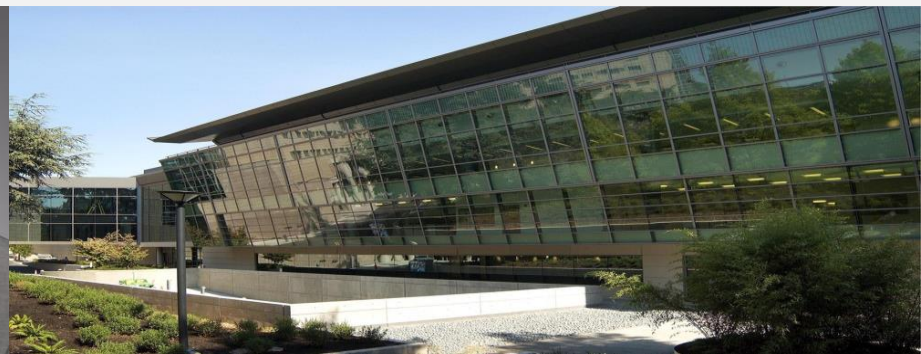
Dr. Saurabh  
Khandelwal



Dr. Alessandro  
Fichera

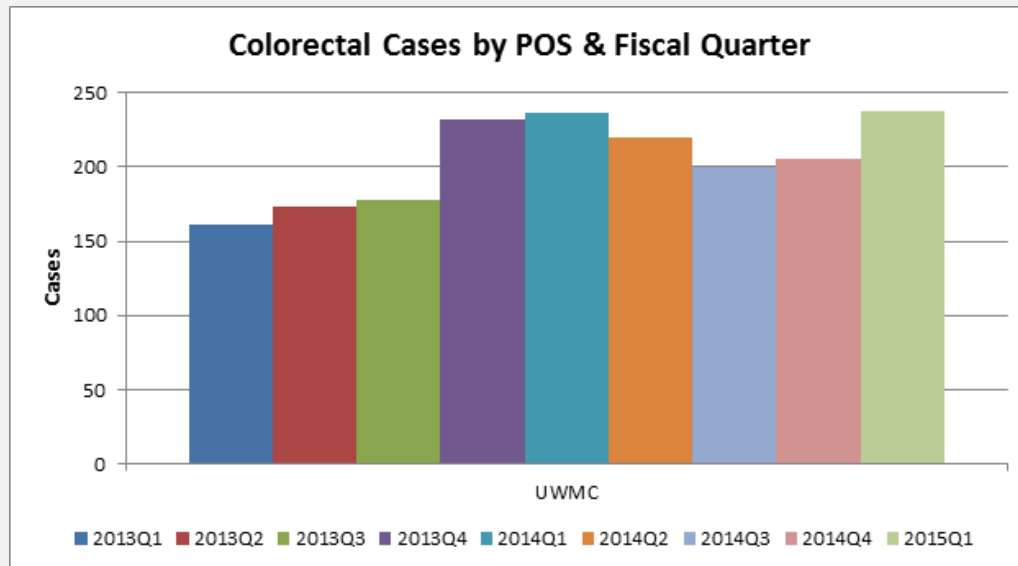


Dr. Mika  
Sinanan



## Total Cases

FY13	FY14	Variance
744	862	16%



# Colorectal Service



## New Faculty



**Dr. Mukta Krane**



**Dr. Erin Lange**

# Weight Loss Management Center



- 4225 Roosevelt Way NE (Building 1)
- Opened July 15<sup>th</sup>, 2014

# Services



Intensive Behavioral Treatment



Medical Management

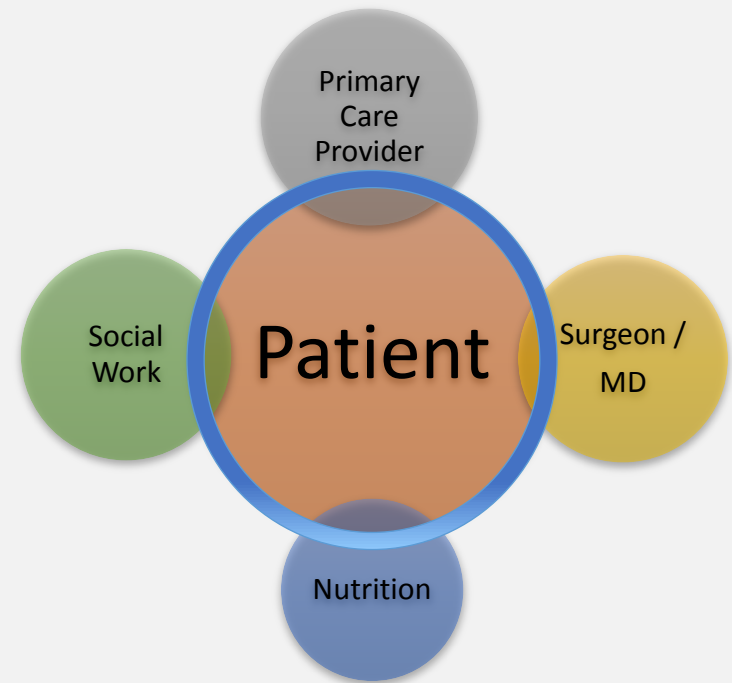


Weight-Loss Surgery

# Our Program

## Our multidisciplinary team includes:

- Surgeons
- Nurse practitioner
- Nurses
- Nutritionists
- Social worker
- Psychiatrists
- Physical therapy
- Bariatricians
- Pharmacists
- Medical consultants
- Financial counselor
- Patient's Primary Care Physician



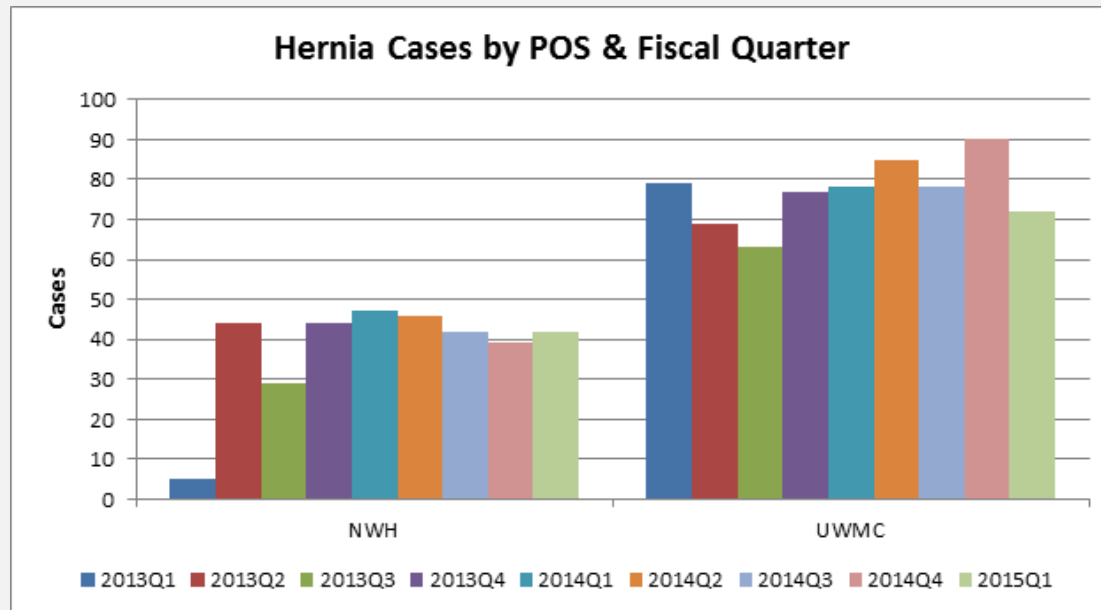
# Hernia Service



Hernia Center

## Total Cases

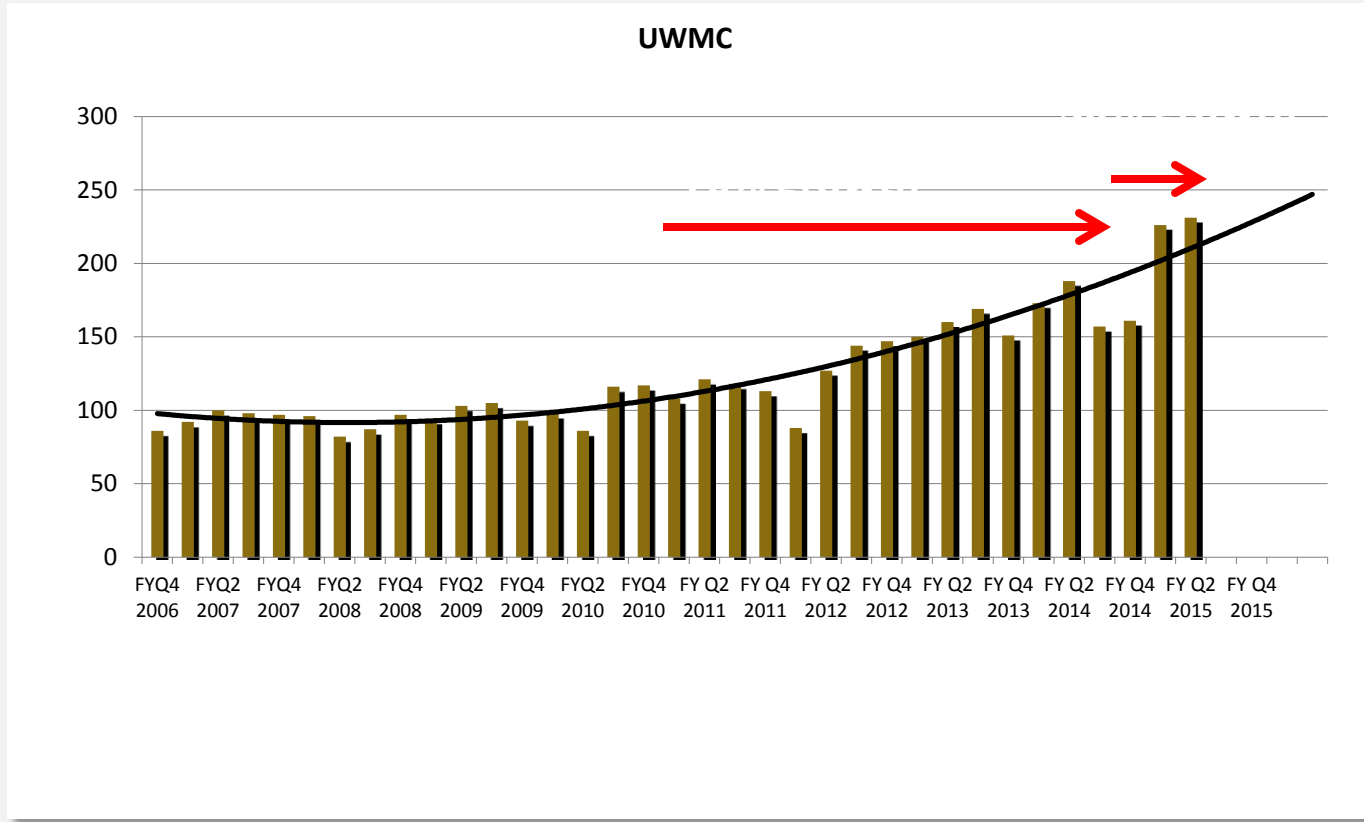
FY13	FY14	Variance
410	505	23%



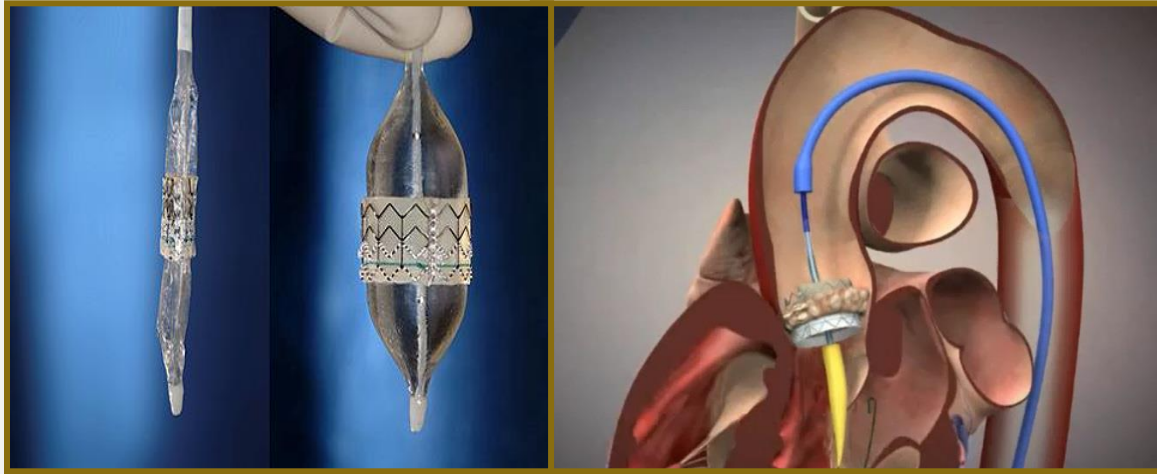
# Cardiothoracic Surgery Team



# Adult Cardiac Surgery Unprecedented Volume Growth



# Trans Catheter Aortic Valve (TAVR)



Much faster recovery (current UWMC LOS 2-4 days)

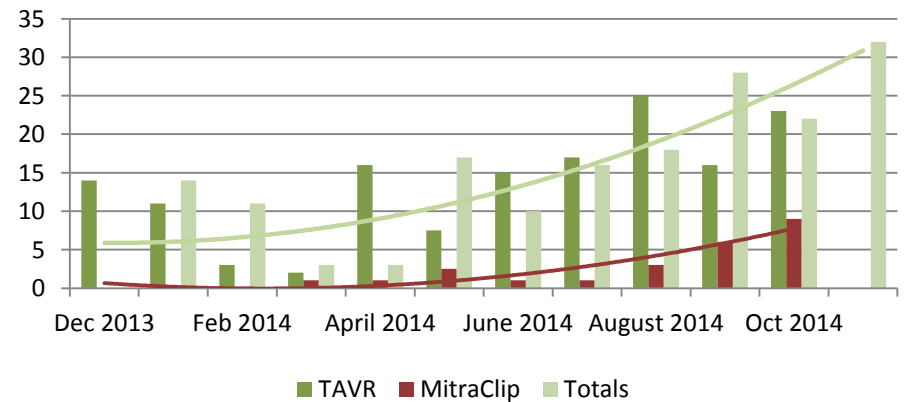
Dramatic growth

Most common procedure on the cardiac surgery service

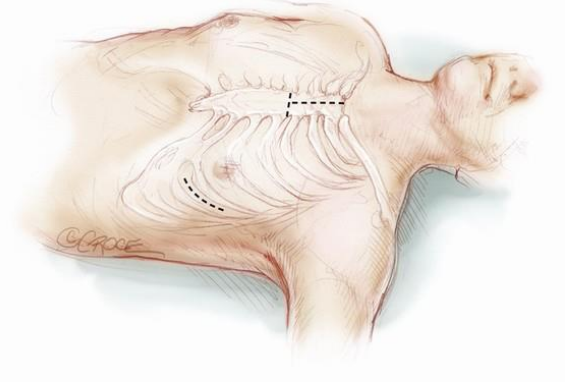
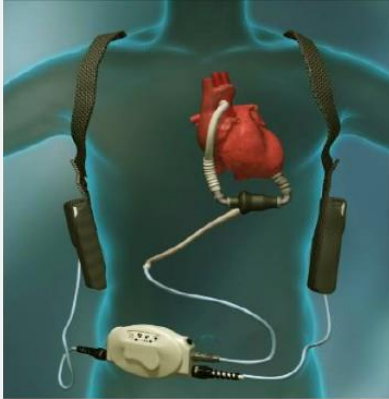
Currently > 30/month

Expected FY 2015 volume

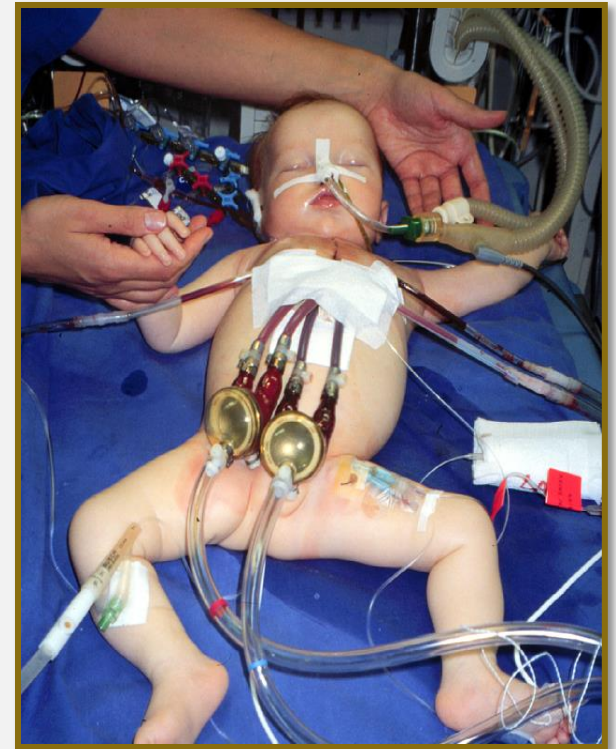
240 TAVR, 60 Mitra clips



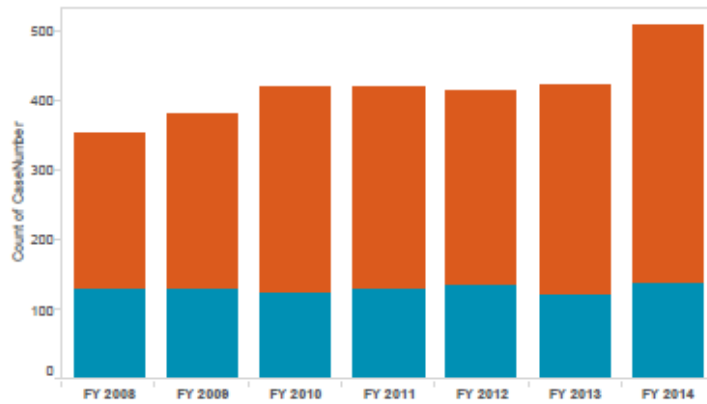
# Current Minimally Invasive VADs



**More efficient/durable, smaller, less invasive  
UWMC 80 VADs/ECMO, 35+ transplants this year**



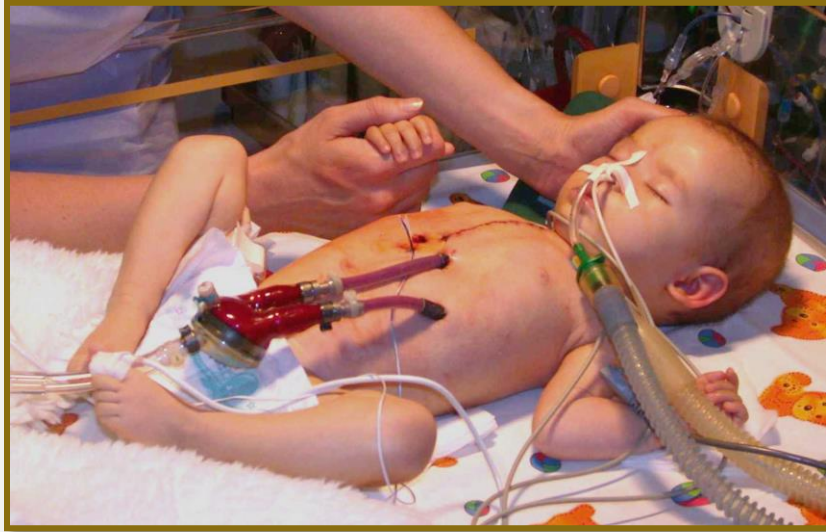
Overall Volumes (CPB/Non-CPB Cardiovascular)



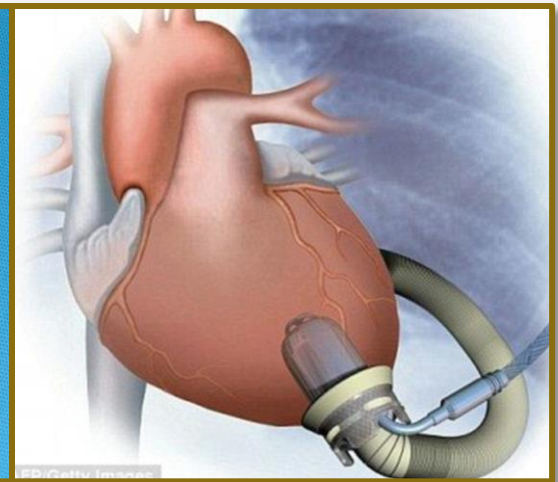
Overall Volumes (CPB/Non-CPB Cardiovascular)

	CPB	No CPB Cardiovascular	Grand Total
FY 2008	219	133	352
FY 2009	249	133	382
FY 2010	292	126	418
FY 2011	289	130	419
FY 2012	279	135	414
FY 2013	300	123	423
FY 2014	369	139	508

# VADs for Babies: Berlin Heart EXCOR



INFANT JARVIK



# Lung Cancer Screening

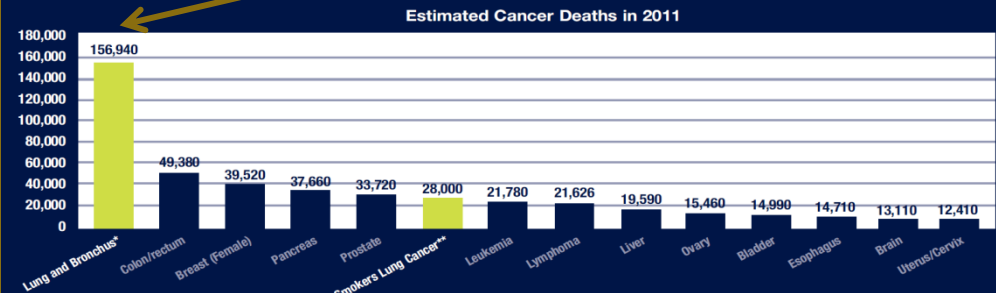
## LUNG CANCER IS ONE OF THE MOST PREVENTABLE CANCERS

Find out how screening could make you breathe easier.

Watch to learn more.



## Lung Cancer is the Leading Cause of Cancer Death in Every Ethnic Group



\*Includes current, former and never smokers \*\* Estimated never smokers only  
Source: SEER Cancer Statistics Review, 1975-2008, National Cancer Institute

## JAMA Internal Medicine

Formerly Archives of Internal Medicine

Special Communication | December 2014

HEALTH CARE REFORM

### The Importance of Lung Cancer Screening With Low-Dose Computed Tomography for Medicare Beneficiaries

Douglas E. Wood, MD, FRCSEd<sup>†</sup>

[\*] Author Affiliations

JAMA Intern Med. 2014;174(12):2016-2018. doi:10.1001/jamainternmed.2014.5623.

Text Size: A



# JNCCN

JNCCN.org

Journal of the National Comprehensive Cancer Network

### Lung Cancer Screening

Douglas E. Wood, George A. Eapen, David S. Ettinger, Lifang Hou, David Jackman, Ella Kazerooni, Donald Klippenstein, Rudy P. Lackner, Lorriana Leard, Ann N. C. Leung, Pierre P. Massion, Bryan F. Meyers, Reginald F. Munden, Gregory A. Otterson, Kimberly Peairs, Sudhakar Pipavath, Christie Pratt-Pozo, Chakravarthy Reddy, Mary E. Reid, Arnold J. Rotter, Matthew B. Schabath, Ledia V. Sequist, Betty C. Tong, William D. Travis, Michael Unger and Stephen C. Yang

J Natl Compr Canc Netw 2012;10:240-265



# Plastic Surgery...*THEN* and *NOW*

	1977	1990	2001	2014
Faculty	1	1	7	15
Cases/Yr	Handful	250	2000	5000+
Residents	0	1	2x3=6	4x6=24
Federal \$	0	0	\$1M	\$4M
Other \$	0	0	\$200K	\$300K



**Harborview Medical Center**

**Burn and Wound Centers**

**Unified Hand Surgery Service**

**PS+Ortho**

**VA Plastic & Hand Surgery**

**Urology collaboration**

**UW Medical Center**

**Center for Reconstructive Surgery**

**Plastic and Aesthetic Surgery Center**

**@Northwest Hospital**

**ENT Head & Neck collaboration**

**Seattle Children's Hospital**

**Pediatric Plastic Surgery**

**Craniofacial Surgery**

**Adult Facial Trauma at HMC**

**Nick Vedder, Chief \***



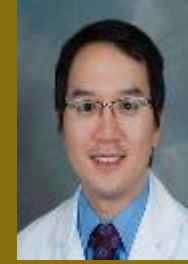
**Jeff Friedrich \***



**Kari Keys \***



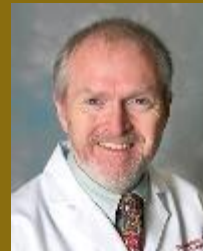
**Jason Ko \***



**Gary Fudem**



**Peter Neligan, Section Chief \***



**Hakim Said \***



**Otway Louie \***



**Shannon Colohan \***



**Alex Gougoutas**



**Richard Hopper, Section Chief \***



**Joseph Gruss \***



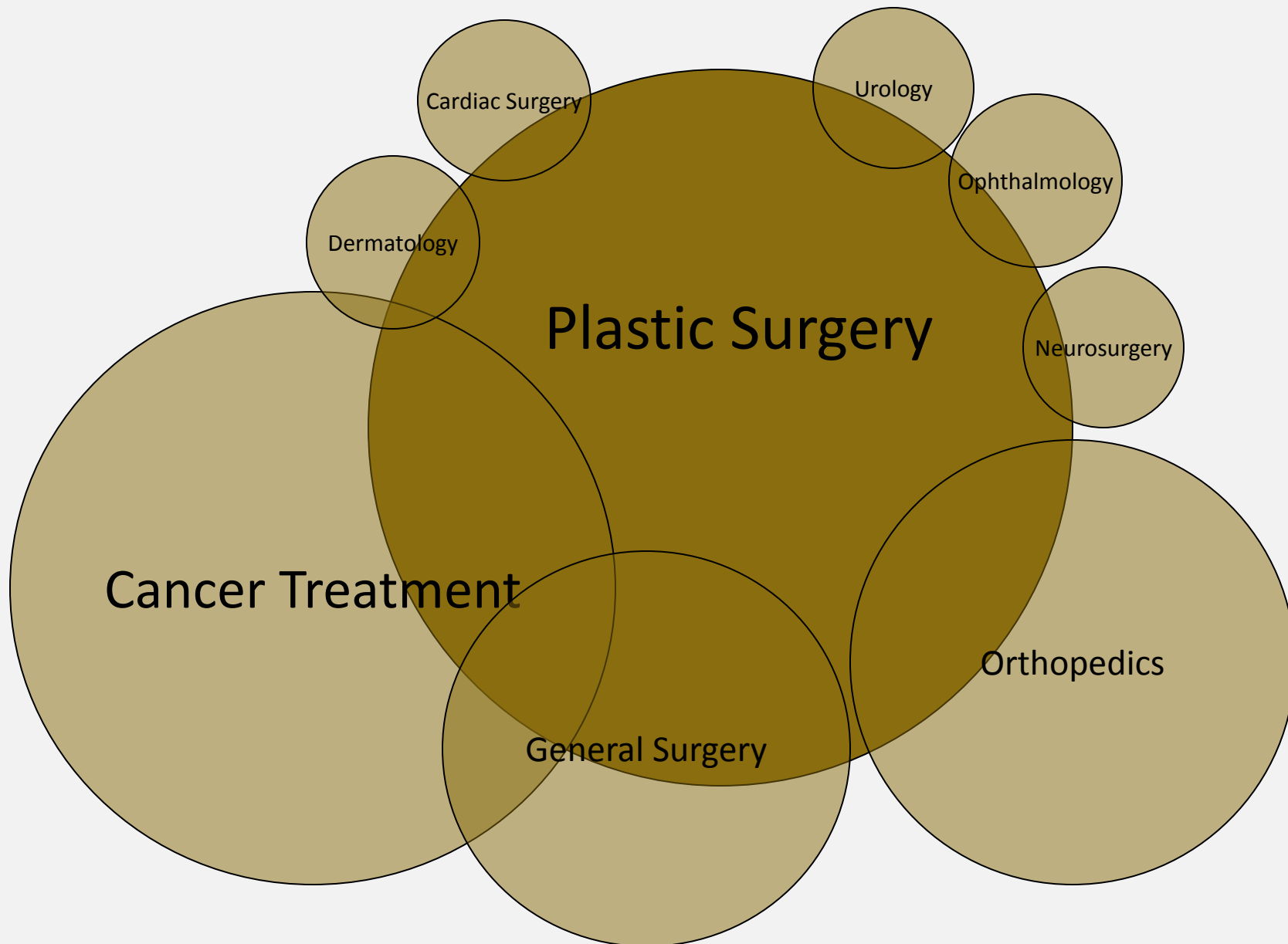
**Craig Birgfeld \***



**Ray Tse**



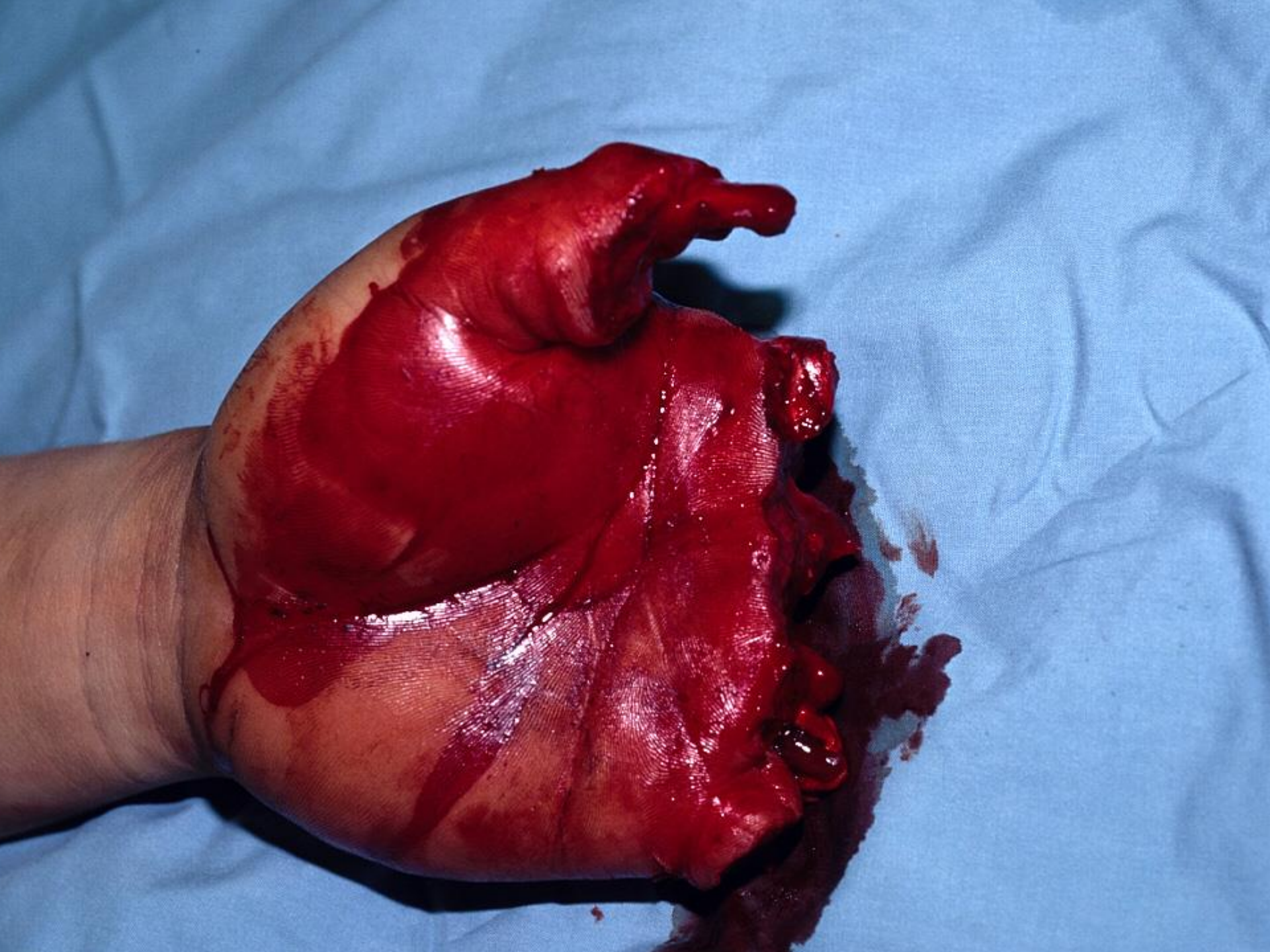
# The “Glue” That Makes It All Work!





Dear Dr. Vedder,  
Thank you forever for saving  
my foot and giving me a  
normal life.

Love,  
Lily James





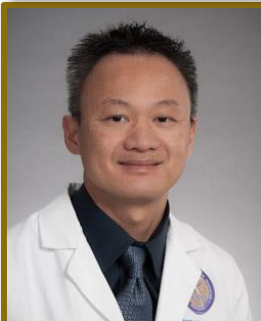
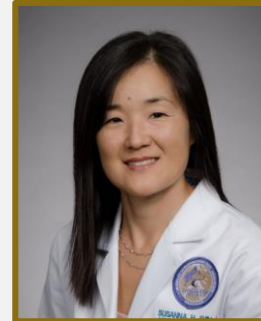
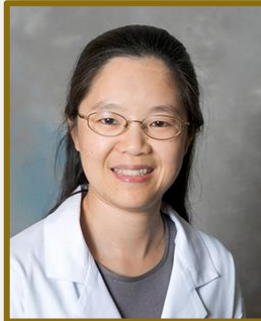
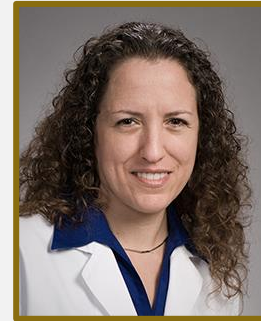
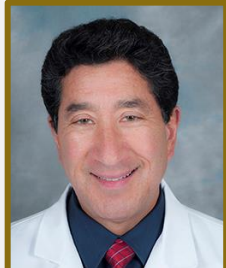
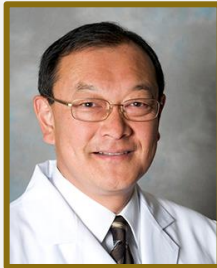
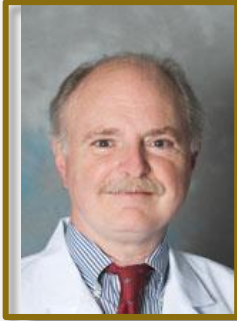
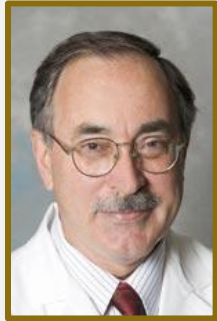






# Vascular Surgery...*THEN* and *NOW*

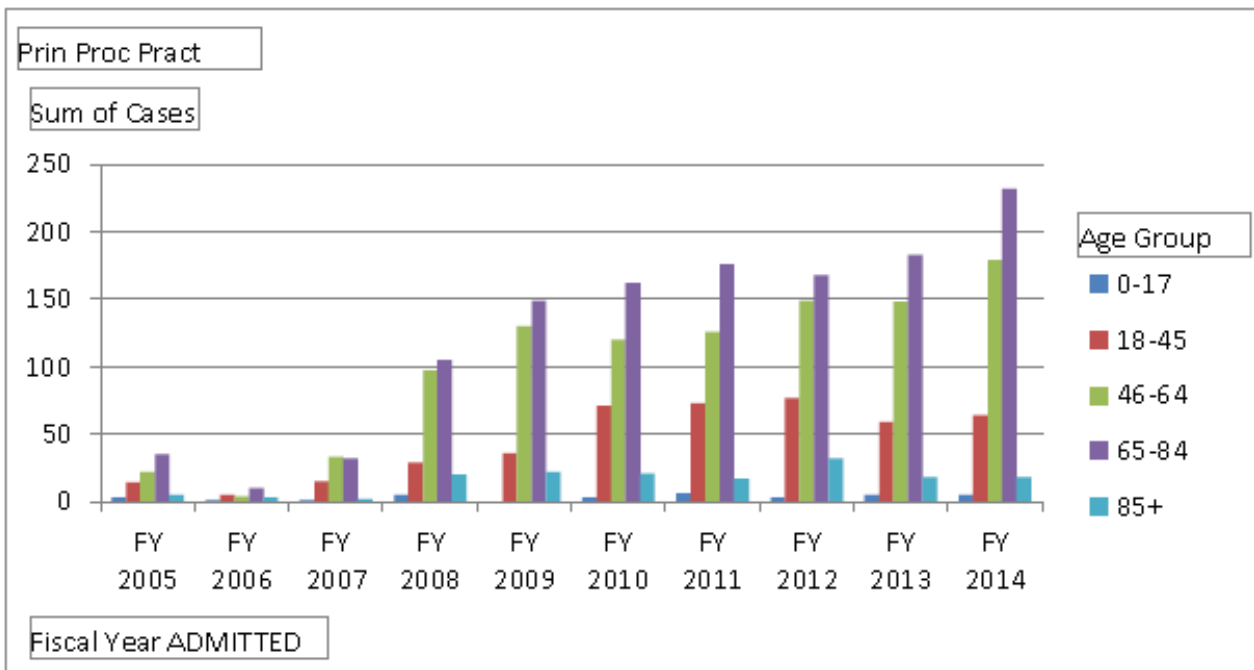
2007



2014

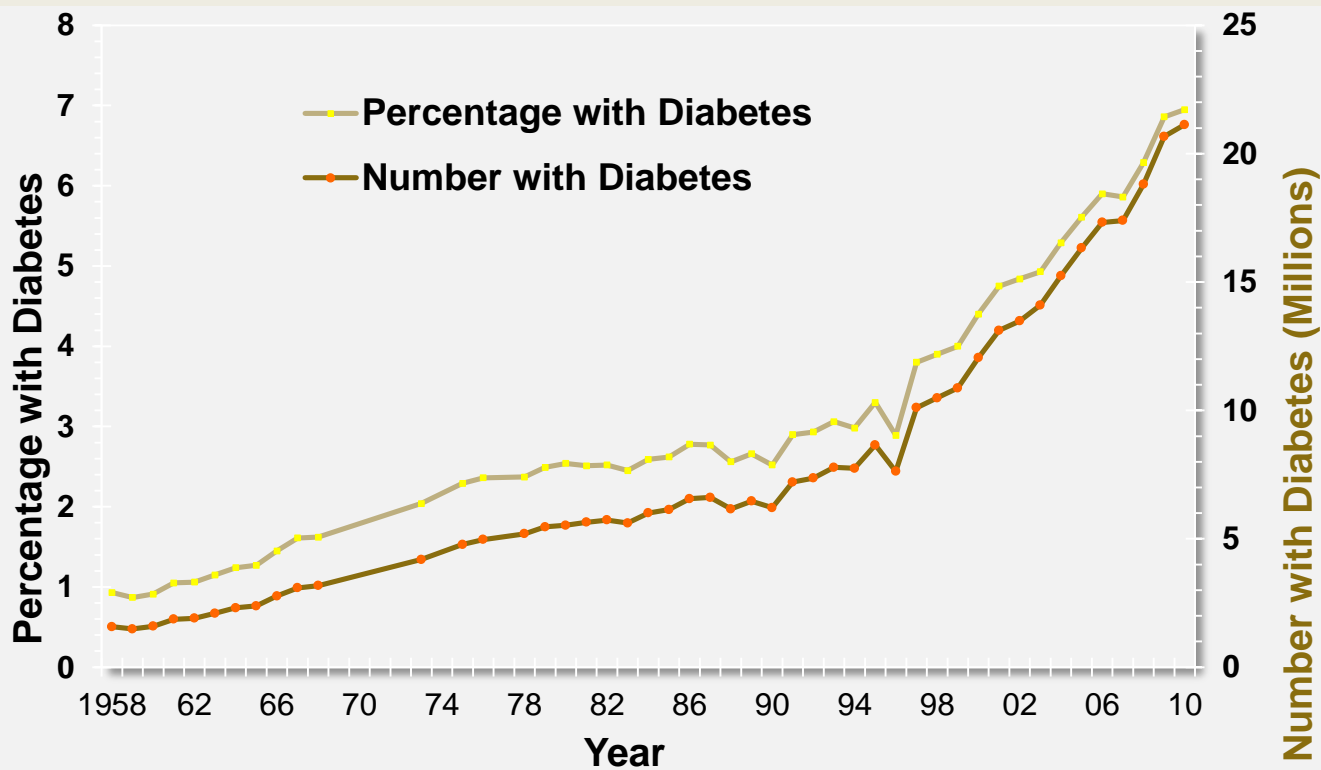






Source: HPM, ran 8/1/14

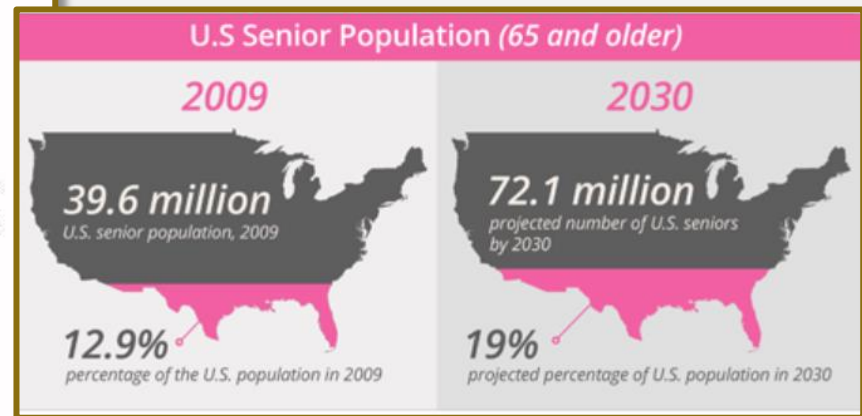
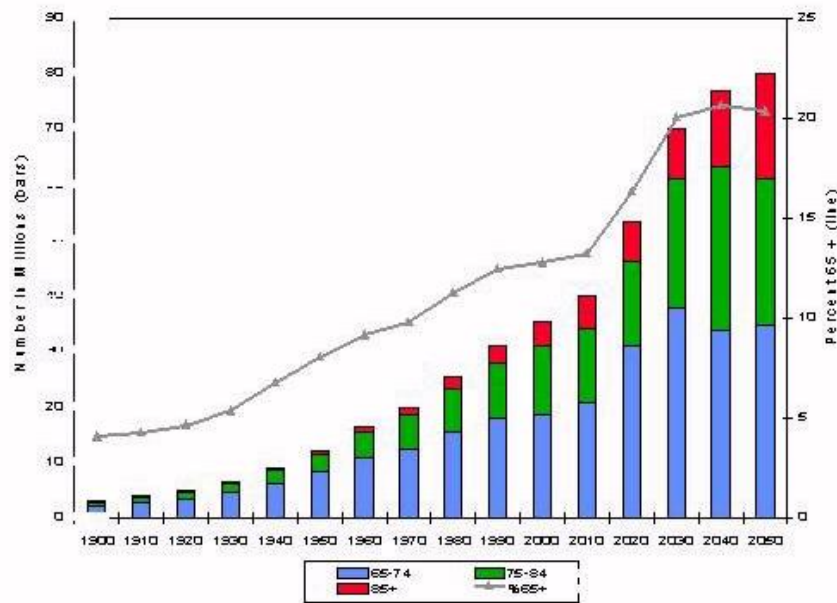
## Number and Percentage of U.S. Population with Diagnosed Diabetes, 1958–2010

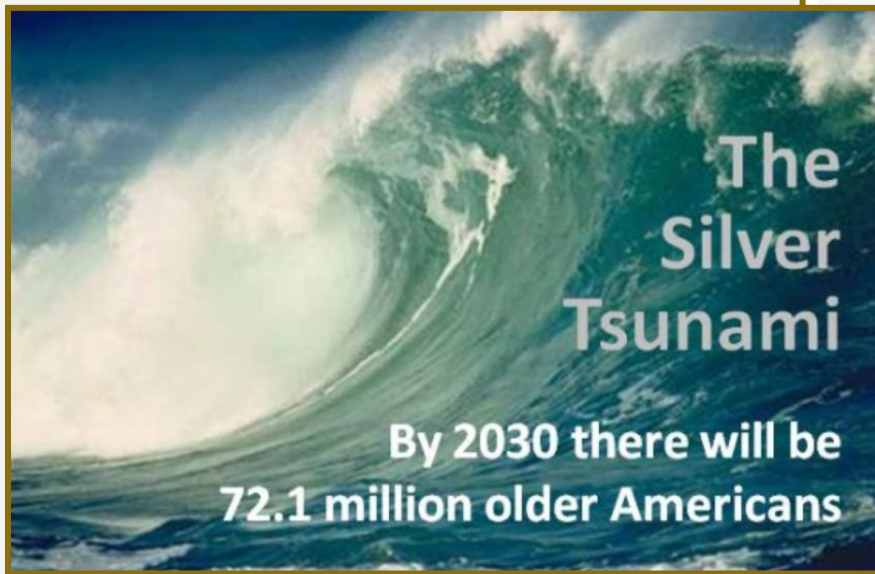


CDC's Division of Diabetes Translation. National Diabetes Surveillance System available at <http://www.cdc.gov/diabetes/statistics>

Source: U.S. Bureau of the Census, Current Population Reports, Special Studies P-23-190, 65+ in the U.S. U.S. Government Printing Office, 1996.

### Growth of the 65+ Population, by Age Group: 1900 to 2050





# Transplantation at the University of Washington Medical Center



UW Medicine

# Solid Organ Transplant—A Rich History

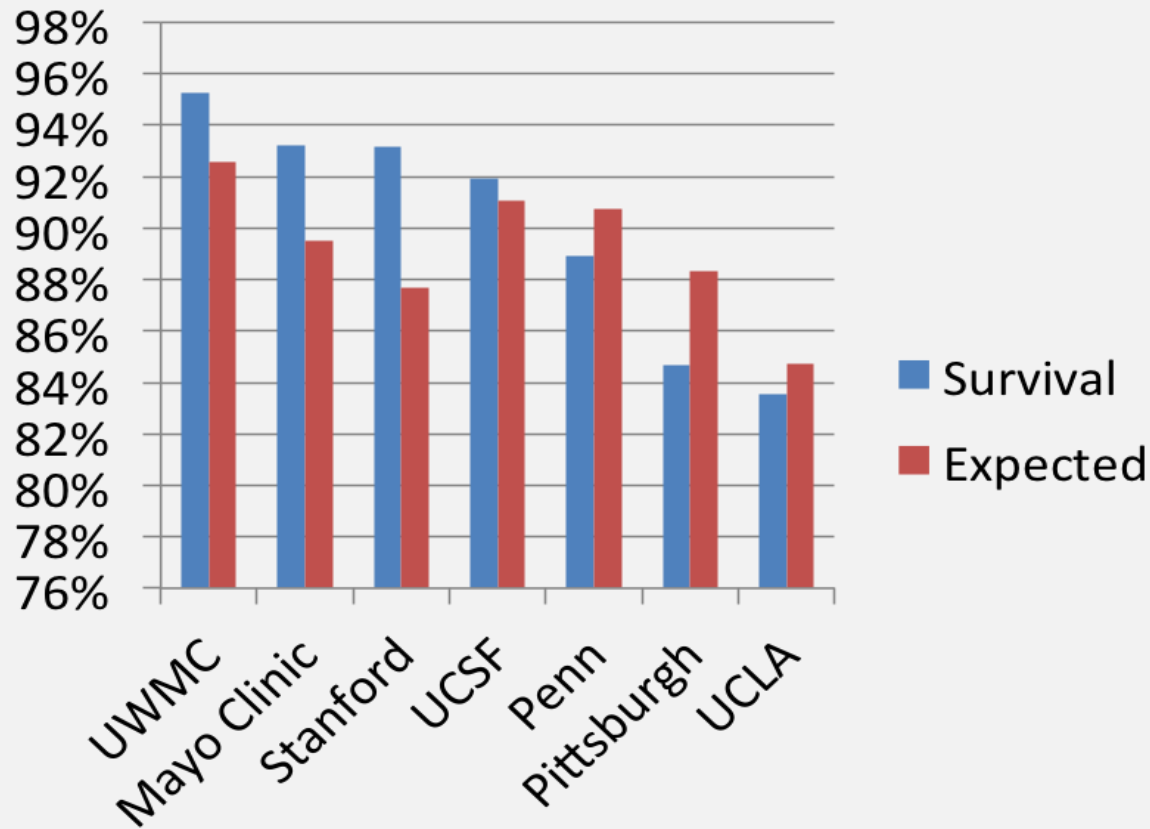
- Kidney: 1<sup>st</sup> regional Living Donor transplant 1968
- Heart: 1<sup>st</sup> regional Heart transplant 1985
- Liver: 1<sup>st</sup> regional Liver transplant 1990

Over 6000 transplants  
performed

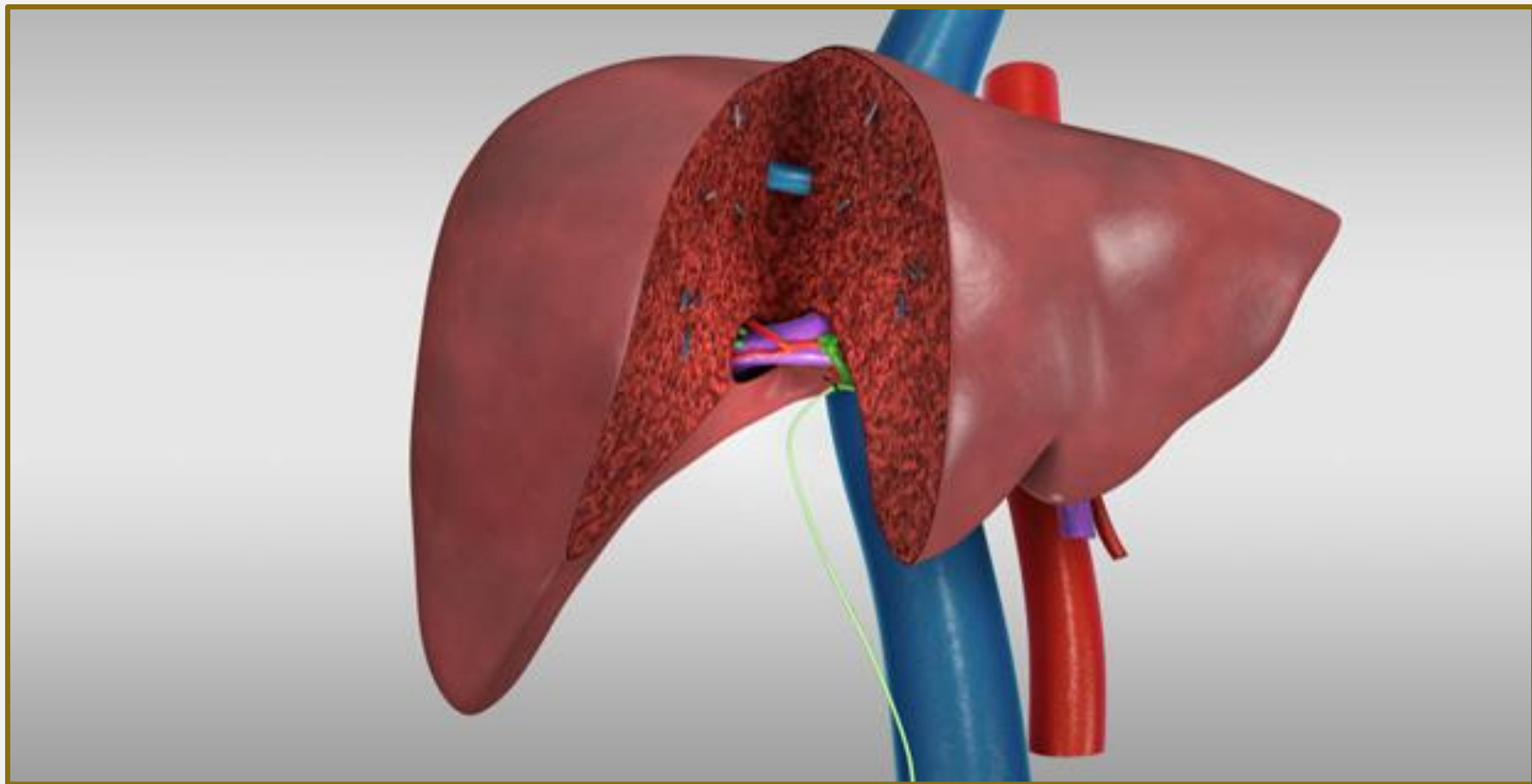
At University of Washington  
Heart, Lung, Kidney, Liver,  
Pancreas, Small Bowel

# Liver Transplantation—One Year Patient Survival

Four Centers in the US have one year patient survival statistically significantly greater than expected:



# Adult To Adult Living Donor Liver Transplantation



# Trauma, Burn & Critical Care



**Dr. Ronald Maier**  
Division Chief



**Dr. Eileen Bulger**  
Section Chief, Trauma Surgery, HMC



**Dr. Nicole Gibran**  
Section Chief, HMC Burn Center

# Harborview Medical Center

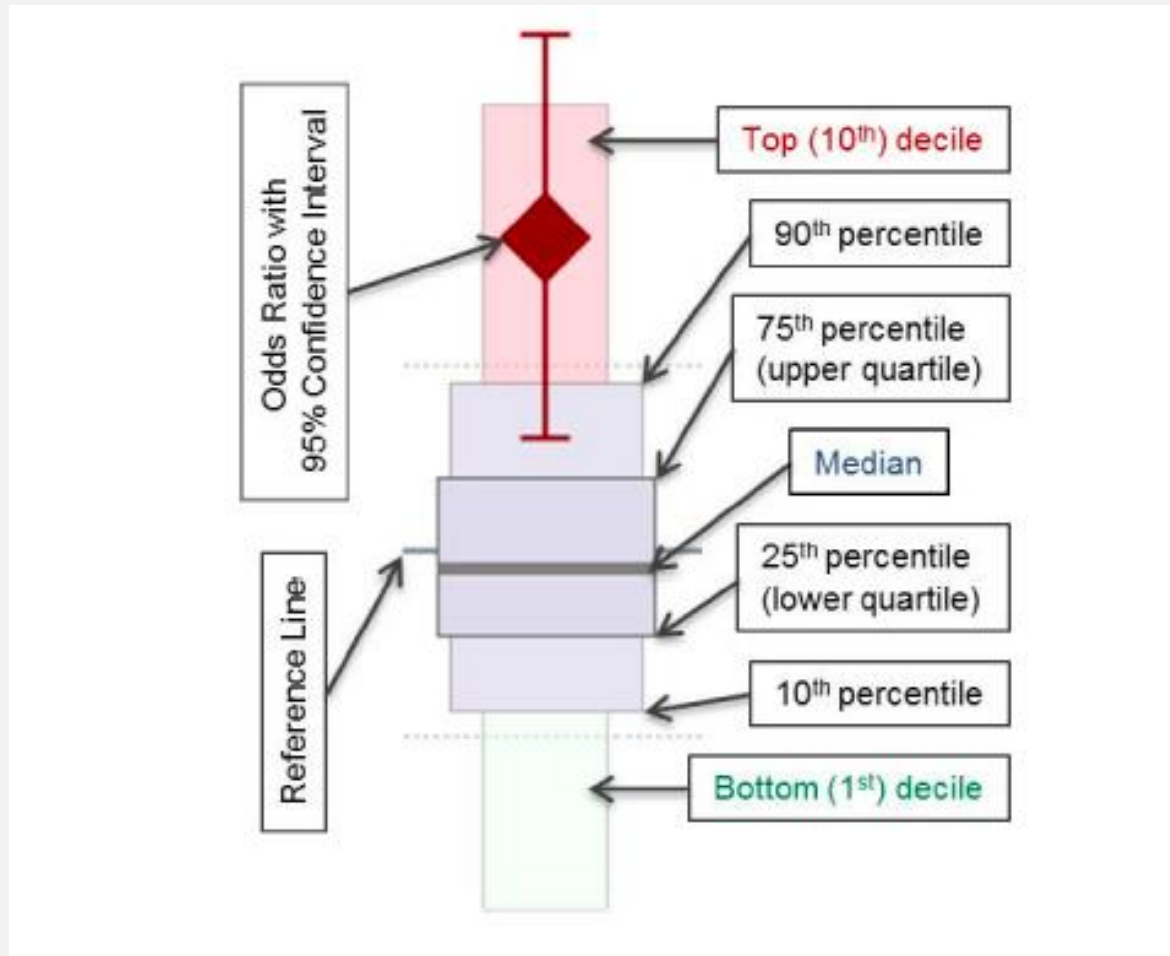
- **Level 1 Adult/Peds Trauma Center**
- **≈ 6,000 Trauma Admissions/year**
  - 700 Pediatric (Age 0-17)
- **Only Level 1 TC for 7 Million people**
- **60% of trauma transferred in from another hospital**
- **60% admissions to OR or ICU**



# TQIP: ACS Risk Adjusted National Benchmark

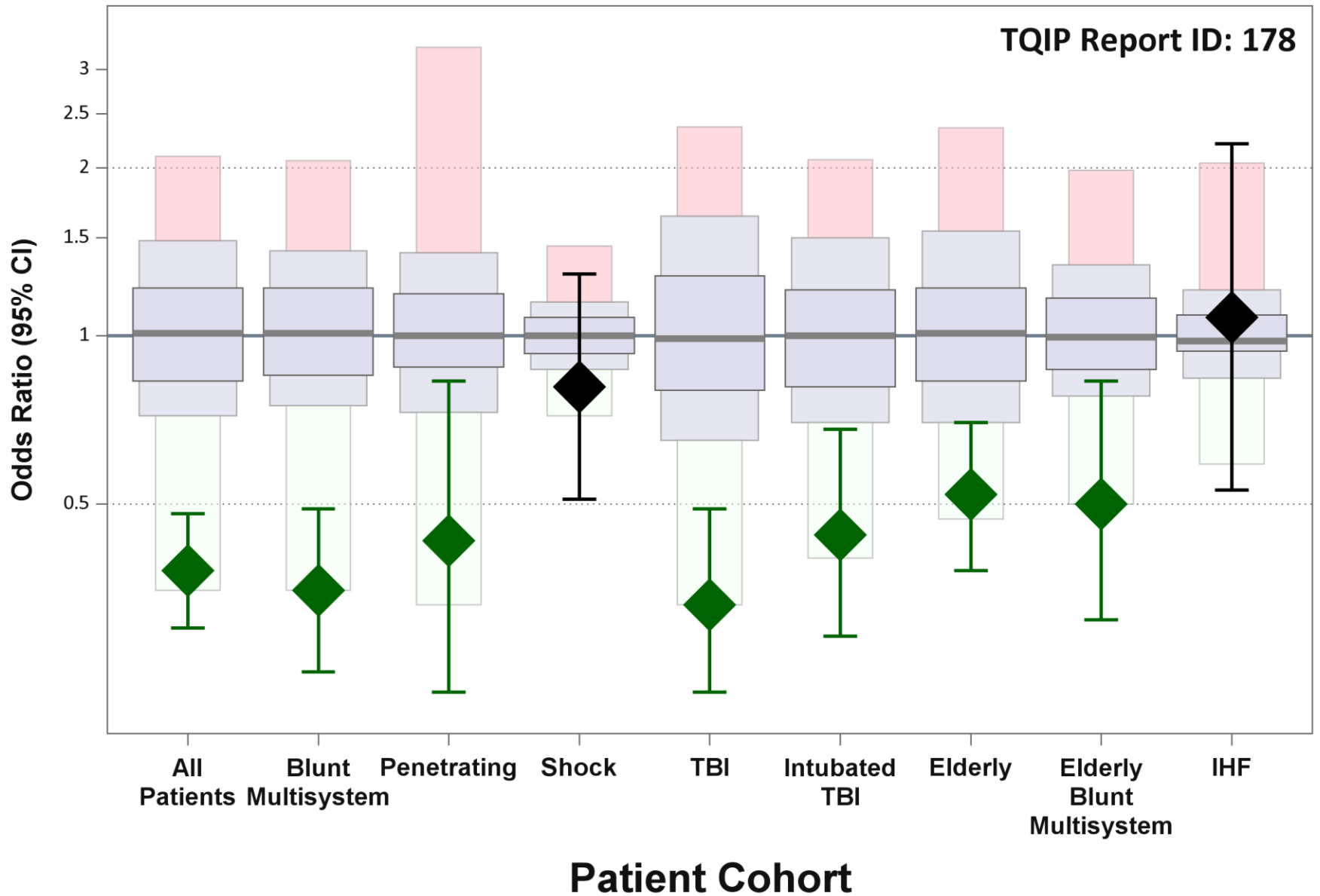


# Comparison of Risk Adjusted Outcomes

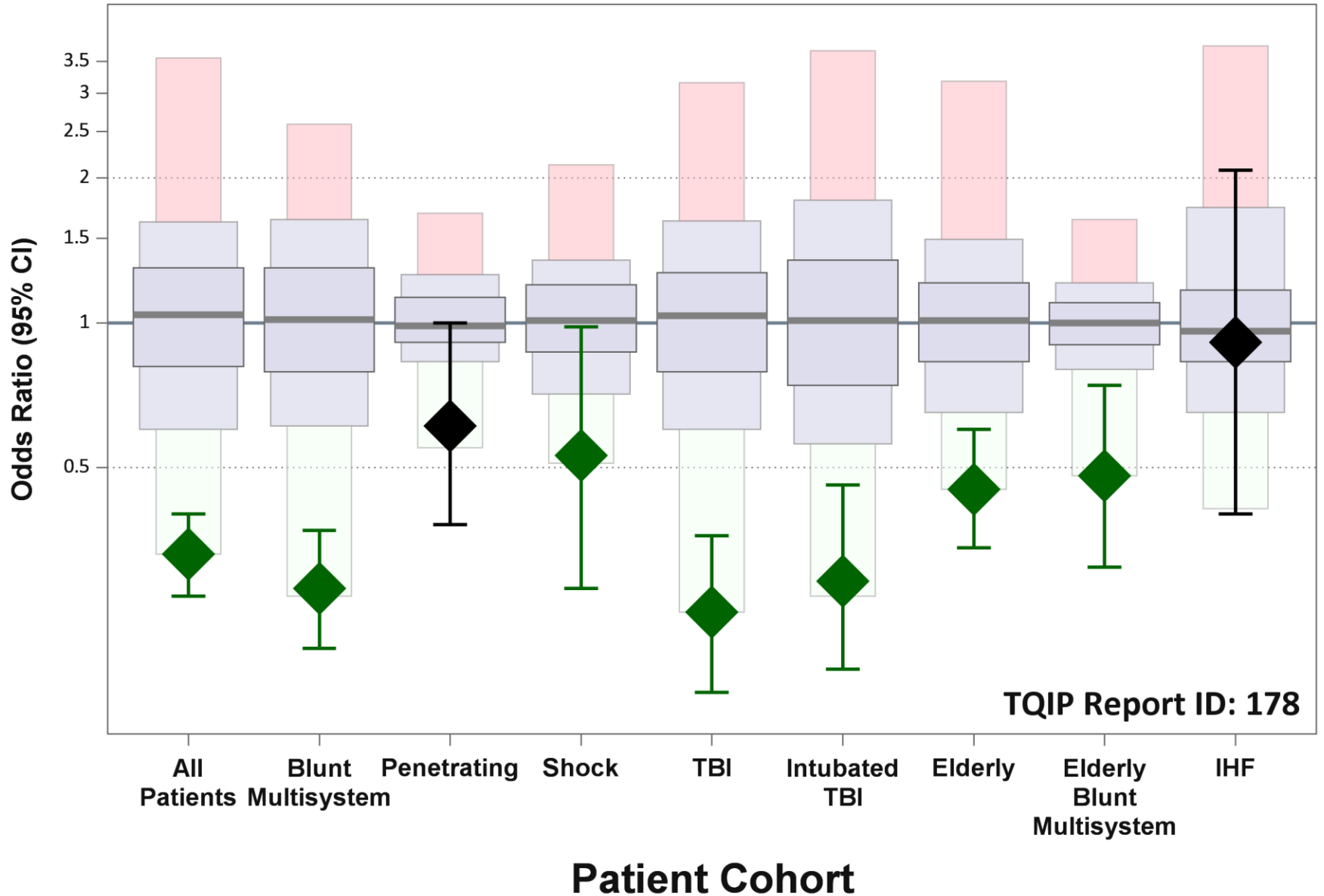


# Risk-Adjusted Mortality

TQIP Report ID: 178

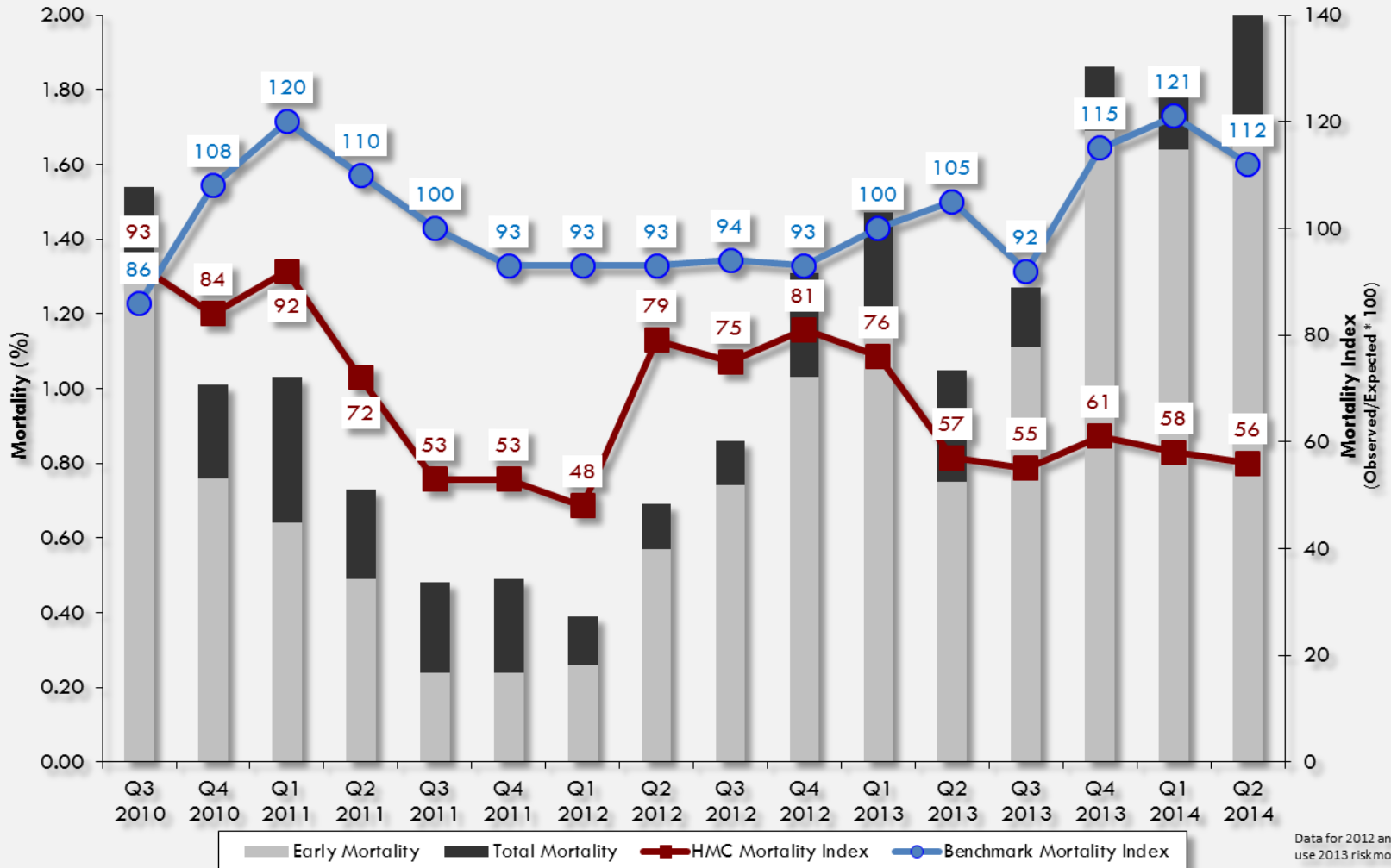


# Risk-Adjusted Major Complications Including Death



## Pediatric Trauma Mortality Benchmark

Data from UHC: HMC vs. 8 Level 1 Pediatric Trauma Centers  
12 Month Rolling Data - Quarterly, by Calendar Year



Data for 2012 and later use 2013 risk model

# Thank You To Our Dedicated HMC Surgical Faculty



## Conclusions—Department of Surgery...*Then and Now*

- A tremendous growth combined with the pursuit of excellence in clinical, education, research, administration and all other undertakings of the department
- The development of multiple focused areas of specialized skills woven into the fabric of UW (Anesthesia/Surgery Mgt)
- The creation of a nurturing environment that focuses on our main asset: Human Capital