



ACC.16™

65th Annual Scientific Session & Expo

Saturday April 2nd
12.15 p.m. to 1.00 p.m.

THE CV TRAINING SECTION & THE TRAINING ADMINISTRATORS: *A ROADMAP FOR FUTURE COLLABORATION*

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**AT THE
INTERSECTION
OF SCIENCE
& CHANGE**

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Outline

- CV Training Section Status Report
- Future vision for the Section vis-à-vis the Program Administrators/Coordinators



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Section and Section Leadership Council Definitions

- **Section**

Members who **actively align** themselves around an area of clinical or professional interest

Typically pay \$35/year to join a member community.

- **Section Leadership Council**

Sections are **governed** by a corresponding **Section Leadership Council**

A section leadership council is a leadership group comprised of members appointed by the President.



Current ACC Sections and Section Leadership Councils (n=19)

- Academic Cardiology
- Adult Congenital and Pediatric Cardiology
- Cardio Oncology
- Cardiovascular Care Team
- Cardiovascular Imaging
- CV Management
- CV Training
- Early Career Professionals
- Electrophysiology
- Federal Cardiology
- Fellows in Training
- Geriatric Cardiology
- Heart Failure and Transplant
- Interventional
- Peripheral Vascular Disease
- Prevention
- Sports and Exercise Cardiology
- Surgeons
- Women in Cardiology



Section & Section Leadership Council Functions

- **Articulate professional needs of members** to BOT and relevant College activities
- Advocate to **advance professional priorities** of special interest areas
- Identify opportunities to **integrate specific professional/clinical perspectives** in ACC strategy
- **Coordinate members** in key College activities and network among colleagues with similar interests
- **Collaborate with (internal) & external stakeholders** consistent with ACC's strategies



CV Training Section Demographics



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2016 ACC Membership Profile

NUMBER OF MEMBERS 51,513			ATTENDED A LIVE PROGRAM* 17,009			PURCHASED A PRODUCT* 7,568			AVG AGE 54.23		AVG TENURE 17.86	
Fellow (FACC)	INTL Assoc.	Assoc. Fellow	CV Team	FIT	FITINTL	Administrator	AACC	RESIDENT	Affiliate	STUDENT	Master (MACC)	
27,660	8,157	4,889	4,030	3,885	1,560	673	251	165	90	80	73	
GENDER			SPECIAL INTERESTS			BOARD CERTIFICATION			UNITED STATES MEMBER DISTRIBUTION			
Male	36,186	70.2%	Adult Cardiology	25,889	50.3%	Cardiovascular Disease	22,390	79.7%	<div>Number of Members</div> <div>13,361</div> <div>AE 0.0% AK 0.2% GU 0.0% HI 0.3% VI 0.0%</div>			
Female	8,403	16.3%	No Specialty	11,946	23.2%	Interventional	6,099	21.7%				
Not Known	6,924	13.4%	Interventional Cardiology	7,226	14.0%	Electrophysiology	1,636	5.8%				
GEOGRAPHY			Clinical Cardiology/ Gen..	6,091	11.8%	Pediatric Cardiology	1,201	4.3%				
United States	36,956	71.7%	Echocardiology	5,190	10.1%	No Board Certification	2,384	8.5%				
International	14,557	28.3%	Electrophysiology	2,637	5.1%	General Surgery	1,021	3.6%				
AGE			Nuclear Cardiology/Med.	2,561	5.0%	Other	1,008	3.6%				
30 or younger	1,163	2.3%	Pediatric Cardiology	1,990	3.9%	Heart Failure/Transplant	206	0.7%				
31 - 40	7,955	15.4%	Surgery	1,397	2.7%	Nuclear Medicine	114	0.4%				
41 - 50	8,757	17.0%	Preventive Cardiology	1,187	2.3%	PRACTICE SETTING			TOP 5 LIVE PROGRAMS		TOP 5 EDUCATION PRODUCTS	
51 - 60	10,698	20.8%	Heart Failure/Transplant	1,098	2.1%	Not Listed	18,046	35.0%	Count		Count	
61 - 70	8,689	16.9%	Invasive Cardiology	994	1.9%	Cardiology Group	13,678	26.6%	Annual Meeting	12,122	ACCsAP	2,286
71 or older	5,753	11.2%	Other	908	1.8%	Med School-Univ.	5,393	10.5%	FIT Exam	2,723	ECHOSAP	2,195
N/A	8,498	16.5%	Non-invasive Cardiology	818	1.6%	Retired	4,677	9.1%	NYCVS	1,035	NCCT	1,924
TENURE / CAREER			Vascular Surgery/Medicine	740	1.4%	Non-Gov Hospital	2,730	5.3%	CV Board Review	823	CATHSAP	956
7 years or less	7,542	14.6%	Adult Congenital Cardiol..	739	1.4%	Multi-Specialty Group	1,892	3.7%	CV Care Summit	581	CV BOARD REVIEW	695
8 - 21 years	9,170	17.8%	MR/CT Cardiology	514	1.0%	Solo Practice	1,853	3.6%				
22 years or more	9,405	18.3%	Geriatrics	129	0.3%	Fellow-In-Training	1,190	2.3%				
In training	5,374	10.4%	Emergency Med.	86	0.2%	Gov Hospital	1,148	2.2%				
No training year	15,230	29.6%	Public Health	79	0.2%	Other	615	1.2%				
Student	80	0.2%				Insurance Company	209	0.4%				
Emeritus	4,712	9.1%				Industry / Pharma / Device	82	0.2%				

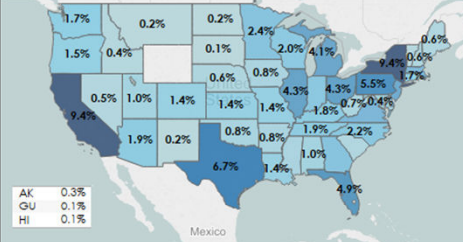
Membership (Active) as of 2/22/2016
 AVG Tenure: Number of years out of training (Domestic Physicians)
 Board Certifications consist of US Physicians (Assoc. Fellow, Fellow, Master)
 * Popular Live Programs / Products: Interactions over a 3-year span (2013-2015)

SOURCE: ACC Database; All Members



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2016 CV Training Section Profile

NUMBER OF MEMBERS 1,938			ATTENDED A LIVE PROGRAM* 968			PURCHASED A PRODUCT* 394			AVG AGE 51.79		AVG TENURE 15.36	
Fellow (FACC)	Assoc. Fellow		INTL Assoc.	CV Team	Affiliate	AACC	Administrator	FIT	Master (MACC)	FITINTL		
1,401	187		142	138	18	17	16	15	3	1		
GENDER			SPECIAL INTERESTS			BOARD CERTIFICATION			UNITED STATES MEMBER DISTRIBUTION			
Male	1,504	77.6%	Adult Cardiology	1,081	55.8%	Cardiovascular Disease	1,099	88.2%	<div>Number of Members</div> <div>1137</div> 			
Female	332	17.1%	Interventional Cardiology	454	23.4%	Interventional	350	28.1%				
Not Known	102	5.3%	Clinical Cardiology/ General Cardiology	421	21.7%	Electrophysiology	125	10.0%				
			Echocardiology	361	18.6%	No Board Certification	55	4.4%				
GEOGRAPHY			Electrophysiology	186	9.6%	Pediatric Cardiology	50	4.0%				
United States	1,450	74.8%	No Specialty	143	7.4%	General Surgery	22	1.8%				
International	488	25.2%	Nuclear Cardiology/Med.	141	7.3%	Heart Failure/Transplant	20	1.6%				
AGE			Heart Failure/Transplant	97	5.0%	Other	16	1.3%				
30 or younger	9	0.5%	Preventive Cardiology	79	4.1%	Nuclear Medicine	9	0.7%				
31 - 40	286	14.8%	Invasive Cardiology	64	3.3%	PRACTICE SETTING			TOP 5 LIVE PROGRAMS		TOP 5 EDUCATION PRODUCTS	
41 - 50	499	25.7%	Pediatric Cardiology	63	3.3%	Cardiology Group	534	27.6%		Count		Count
51 - 60	518	26.7%	Adult Congenital Cardiol..	57	2.9%	Med School-Univ.	477	24.6%	Annual Meeting	816	ACC/SAP	121
61 - 70	352	18.2%	Non-invasive Cardiology	56	2.9%	Not Listed	472	24.4%	CV Board Review	47	ECHOSAP	105
71 or older	61	3.1%	MR/CT Cardiology	41	2.1%	Non-Gov Hospital	130	6.7%	FIT Exam	33	NCCT	69
N/A	213	11.0%	Vascular Surgery/Medicine	39	2.0%	Gov Hospital	106	5.5%	NYCVS	32	CATHSAP	63
TENURE / CAREER			Surgery	31	1.6%	Multi-Specialty Group	106	5.5%	CV Care Summit	21	CV BOARD REVIEW	42
7 years or less	392	20.2%	Other	16	0.8%	Solo Practice	63	3.3%				
8 - 21 years	558	28.8%	Emergency Med.	7	0.4%	Other	27	1.4%				
22 years or more	442	22.8%	Public Health	5	0.3%	Insurance Company	9	0.5%				
In training	16	0.8%	Geriatrics	3	0.2%	Industry / Pharma / Device	6	0.3%				
No training year	524	27.0%				Retired	6	0.3%				
Emeritus	6	0.3%				Fellow-In-Training	2	0.1%				

Section Membership Status as of 2/26/2016
 AVG Tenure: Number of years out of training (Domestic Physicians)
 Board Certifications consist of US Physicians (Assoc. Fellow, Fellow, Master)
 * Popular Live Programs / Products: Interactions over a 3-year span (2013-2015)

SOURCE: ACC Database; Opt-in Section Members



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Section Steering Committee

- Established in 2013
- Chairs of all Sections
- Address issues pertinent to all sections, ensure consistency of governance and engagement
- Chair: Lee Goldberg MD FACC
- Oversight Areas/Topics:
 - Standard operating procedures**
 - Integration** with LLL Division and others
 - Success/accountability** measures
 - Strategic planning**
 - Collaboration** opportunities



Goals of CVT Section for the First Year

- Grow the membership of the brand new Section (target at least 500 members)
- Establish workgroups based on identified priorities
- Promote and showcase educational research by members
- Develop a system of rapid data collection from members, for the benefit of the workgroups
- Expand the scope and mission of the Section in carefully planned incremental steps to achieve the broadest level of member participation and include the diversity of professional scope of members



Achievements during the First year of the Section

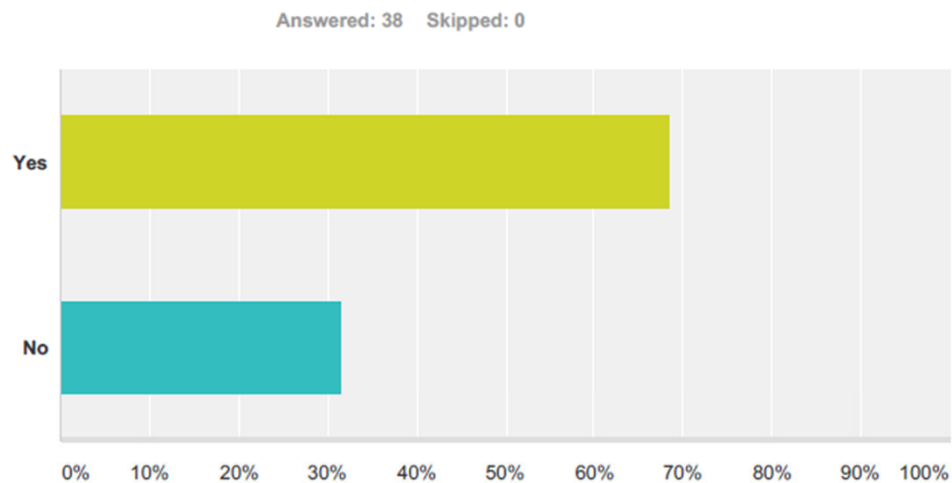
- Exceeded the 500 member section goal- Currently we have **1,938** section members
- Established four working groups
 - Education Research & Innovation
 - Faculty Development
 - Recruitment Issues
 - Training Resources
- Created a rapid response on-line focus group for data collection
- First time ever educational research poster session at ACC.16
- 6 hours of topics at the ACC.16 Training Program Directors' Symposium (more inclusive program faculty)
- ACC membership for training program administrators allowing them to be section members



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Does your fellowship training program have an associate PD?

**Rapid Response Team
At work**



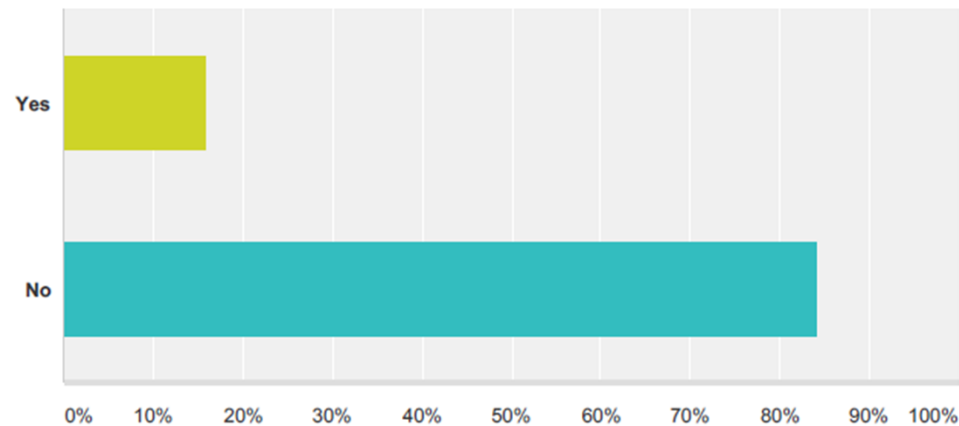
Answer Choices	Responses	
Yes	68.42%	26
No	31.58%	12
Total		38



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Do you provide any formal training (in addition to on the job training) to the associate PD?

Answered: 38 Skipped: 0

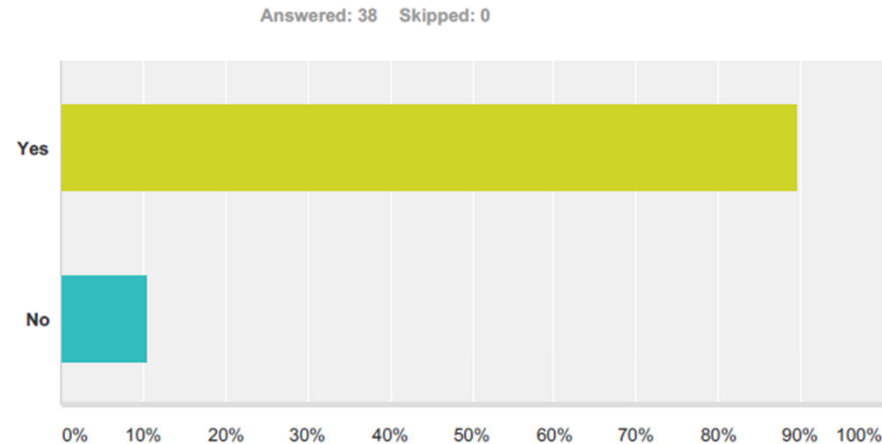


Answer Choices	Responses	
Yes	15.79%	6
No	84.21%	32
Total		38



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Do you think a web-based formalized ACC training tool/program for associate PD development will be helpful?



Answer Choices	Responses	
Yes	89.47%	34
No	10.53%	4
Total		38



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What types of tools do you use for training Associate PD?

- ACC annual Training Program Directors' Symposium and ACC.org Program Directors webpage
- ACGME offered classes and website
- Institutional PD workshops or GME run courses/office hours
- Published training recommendations
- Face to face review meetings and feedback modules
- 20 respondents had no tools available



Issues faced by the PD/APD/Program Administrator Community

- Recruitment (Visa issues)
- Accreditation (ACGME, faculty surveys, fellow surveys)
- Fellow orientation (Start dates)
- Fellow assessment (Evaluation forms)
- New PD and APD development (Professional Development)
- GME office liaison (Mid-term reviews)
- Documentation (Work hour reports, leave, reporting milestones)
- Innovation (ABIM Pilot, ACGME studies on work hour rules)
- Education Research (ACC annual session)



Evolution of the ABIM's Competency Based Medical Education (CBME) Pilot in Internal Medicine-Cardiology

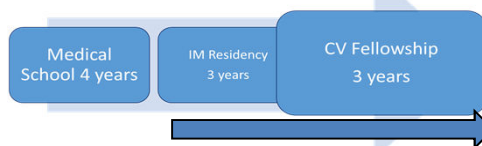
Chittur A. Sivaram MD FACC, Lisa A. Mendes MD FACC, Julie B. Damp MD FACC, Eric Stern MD FACC, Deepak Bhakta MD FACC, Shouvik Chakrabarty MD, John McPherson MD FACC, Salvatore Cilmi MD, Mitch Goldman MD

University of Oklahoma, Vanderbilt University, Icahn School of Medicine at Mount Sinai, Indiana University

Pilot's Study Objectives

1. To test the feasibility of administering four competency based rotations focused on cardiology ('hybrid rotations') during third year of residency to carefully selected IM residents already selected for cardiology fellowship training. While these rotations provide credit for both IM and cardiology training, the total duration of training to complete cardiology fellowship remains unchanged at 6 years (3 IM + 3 cardiology).
2. To demonstrate that Pilot residents' performance is non-inferior to

ABIM IM-Cardiology Pilot Pathway- 6 years

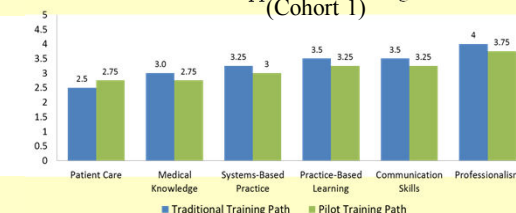


Methods

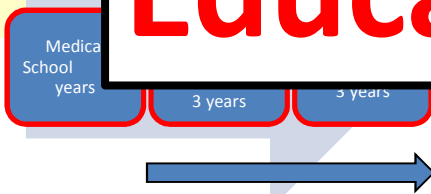
To test feasibility of CBME in Internal Medicine residency and fellowship programs, ABIM began its graduate medical education (GME) pilots in 2012. The Pilot in Internal Medicine and Cardiology started in 2014 July with University of Oklahoma, Vanderbilt University, Icahn School of Medicine at Mount Sinai and Indiana University as the 4 sites nationally. Each site selected one Pilot trainee per site in 2014 (Cohort 1). Institutions began their participation in the Pilot in

Preliminary Results

1. The Pilot residents performed as well as the traditional track first year cardiology fellows in the six core competency domains during echocardiography rotation- most cardiology specific (see below).
2. The pass rate of Pilot residents from Cohort 1 in ABIM examination in IM for was 100% (3/4), not different from their traditional track counterparts. Suggests Pilot is a NON-INFERIOR approach to training (Cohort 1)



Educational Innovation



resident performance in echocardiography rotation (most cardiology specific) was compared with traditional first year fellows from all the 4 sites in July 2015. Pilot resident

Sponsor of the Pilot: American College of Cardiology

cardiovascular fellowship and performing well. Cohort 3 recruitment in progress at all 4 sites at present.

Unresolved Issues & Debates

1. Will additional centers be recruited to the Pilot?
2. Will the Pilot lead to shortened IM + Cardiology training?

Future Goals of CVT Section

- Increase collaboration with sub-specialty fellowship programs (creation of specific workgroups)
- Increase and strengthen collaboration with Program Coordinators and Program Administrators in several projects
- Foster collaborative education research (multi-institutional)
- Create web-based training resources housed at ACC for professional development of new PDs and APDs



Questions



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