

**TIDEWATER CENTER FOR
LIFE SUPPORT TRAINING**

**ANNUAL PROGRAM
REPORT**

JULY 1, 2008 - JUNE 30, 2009

***Basic Life Support and First Aid
American Heart Association Training Center
Advanced Cardiac Life Support
Pediatric Advanced Life Support
Advanced Trauma Life Support***

*Continuing education for effective lifesaving management of victims
experiencing cardiopulmonary arrest and life-threatening traumatic
injuries by physicians, other healthcare team members and the lay public.*

TIDEWATER CENTER FOR LIFE SUPPORT TRAINING

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Program Summary

During FY09, 4,249 students completed basic and advanced cardiac, pediatric and trauma life support provider and instructor courses offered by the Tidewater Center for Life Support (TCLS) Training. TCLS serves as a training center for the American Heart Association (AHA), the American Safety and Health Institute and as a provider of advanced trauma courses for the American College of Surgeons. Affiliated training sites and instructors throughout Hampton Roads trained an additional 17,245 students. TCLS continues among the top of Virginia and mid-Atlantic region AHA training Centers for total students trained in BLS, ACLS and PALS classes.

The following report highlights FY09 annual and comparative activity in each of the three primary instructional programs.

Year at a glance

Students taught during in-house and contracted classes: 4,249

Students taught by affiliated instructors and training sites: 17,245

Total students (community impact): 21,494

Background

The Eastern Virginia Medical Authority and the Tidewater Chapter of the American Heart Association founded the Tidewater Center for Life Support Training (formerly the Tidewater Cardiac Life Support Training Center) in March of 1981. Its creation was a response to the need for a permanent facility for the training of health care professionals in emergency cardiac care. Housed in the Tidewater Rehabilitation Institute, TCLS became the first permanent center in Virginia to provide ongoing basic CPR and advanced cardiac life support education.

In 1982, the center expanded its program to include emergency trauma care skills and in 1983 adopted its present name and advisory board structure. In 1986, the medical authority transferred budgetary oversight to the Dean, Eastern Virginia Medical School.

Today, TCLS continues in its original location in E. V. Williams Hall on the South Campus of EVMS (Diabetes Institutes building). The TCLS Advisory Board provides planning and programmatic guidance and is representative of the medical school, each of the training programs provided, affiliated training sites and the Tidewater Emergency Medical Services (EMS) Council, Inc. The Office of Business Affairs, through the Dean, EVMS, provides budgetary control. The Tidewater EMS Council, through an annual agreement with EVMS, staffs and operates the center.

The center's goal is effective lifesaving management by physicians, other healthcare team members and the lay public for victims experiencing cardiopulmonary arrest and life-threatening traumatic injuries. Instructional courses combine lecture and hand-on experience with real-life scenarios and equipment. The center features a permanent location with lecture and practice rooms, equipment and supplies like that found in the emergency setting, realistic training manikins and simulators, and a professional staff. Physicians, nurses, paramedics and other health professionals provide didactic and practical instruction.

Basic Life Support (BLS) and First Aid

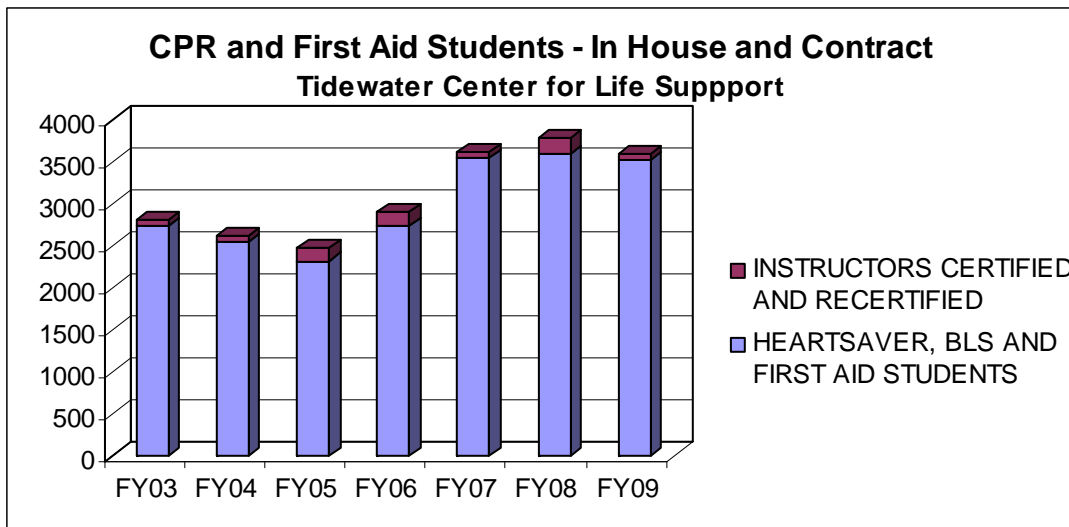
TCLS conducted Heartsaver CPR, Basic Life Support Health Care Provider CPR, Automated External Defibrillation and First Aid courses for the lay public, medical community and medical students. These courses trained or retrained 3,523 individuals during 85 in-house and some 250 contracted off-site courses. The Center also trained or retrained 69 CPR instructors and BLS Training Center Faculty.

The slight decrease from the previous year student totals can be attributed to general declines throughout most sectors of the economy and the resulting slump in CPR and first aid training requests. However, BLS program income actually increased slightly compared to the previous year due to selected fee increases.

A core of some 17 instructors and staff provided lecture and practical instruction for CPR and first aid courses. The use of these instructors ensured the required student/teacher ratios for maximum learning experience. CPR and First Aid courses adhered to standards established by the American Heart Association (AHA).

CPR and first aid courses were advertised in brochures, in other direct mailings developed by the center staff, and on the EVMS, American Heart Association and Tidewater EMS websites.

The center continued to resell various items such as "barrier devices" (CPR face masks), texts, videos and other CPR-related informational materials to instructors and students. A rental program for CPR manikins and automated external defibrillator trainers continued.



Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS)

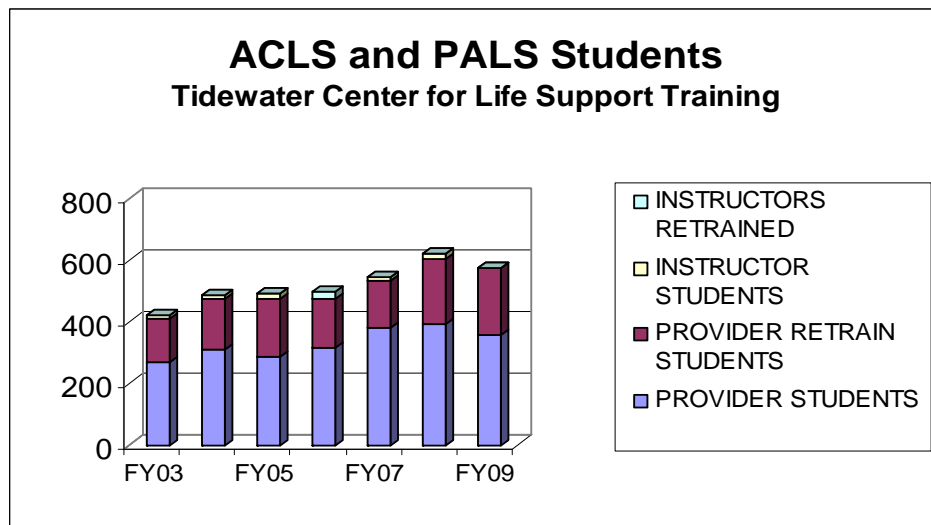
The center trained or retrained 572 medical professionals in Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) courses during in-house this fiscal year. Several ACLS courses were held specifically for incoming EVMS medical students and incoming medical residents. Courses for Operation Smile were not conducted this year due to Operation Smile budget considerations.

Some 25 instructors and medical specialists provided instruction for ACLS and PALS courses.

The ACLS and PALS programs were conducted according the American Heart Association (AHA) standards. The Medical Director for the ACLS program was Richard A. Craven, MD and the Medical Director for PALS courses was Phyllis Hope, MD.

Course availability was publicized with staff-produced brochures and flyers distributed to the medical community and on the EVMS website.

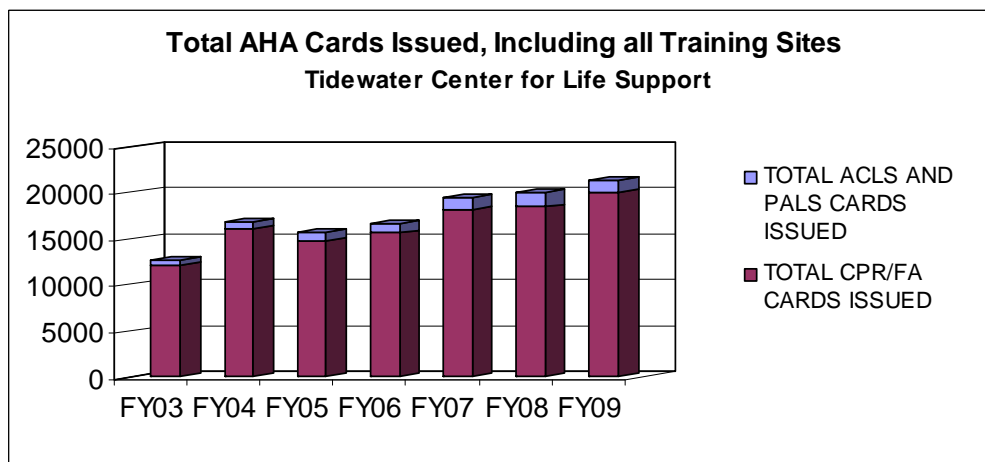
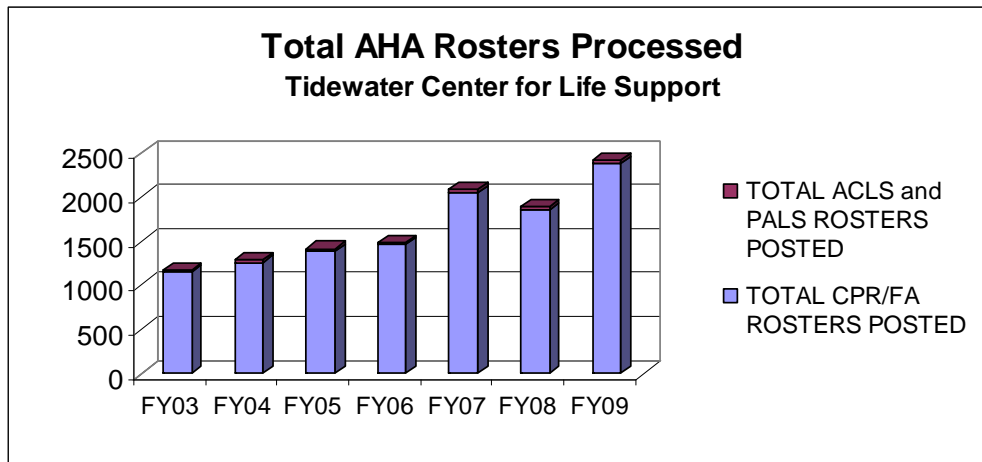
Instructors and training sites affiliated with TCLS trained or retrained an additional 777 ACLS and PALS students during the year.



American Heart Association "Training Center"

In addition to providing our own courses, TCLS continues to serve as a Training Center under contract with the American Heart Association (AHA). As a Training Center, and in cooperation with six affiliated "Training Sites" throughout Hampton Roads, the center staff supported some 800 AHA Emergency Cardiac Care instructors.

During FY09, the center staff processed some 2,377 course rosters and issued 20,060 BLS and 1,349 ACLS and PALS course completion cards. Each roster was closely reviewed for various quality control points including instructor qualifications, instructor/student ratio, test scores and student evaluations.



Responsibilities as a Training Center include:

- Providing liaison with and providing statistical data to the AHA
- Monitoring instructor quality and providing instructor update courses
- Verifying adherence to AHA standards
- Issuing course completion cards
- Providing an avenue for student or instructor complaints
- Record keeping

- Maintaining appropriate sanitation conditions including decontamination of manikins
- Being subject to AHA inspections

The Training Site network extends EVMS and AHA ECC programs throughout the Hampton Roads community and provides a source of course completion cards and related Training Center services to those sites and instructors that are unable to serve as an AHA Training Center on their own. In order to fulfill the responsibilities of a Training Center for such a large training site network, a Training Site Committee met bi-monthly. The committee represents each discipline (BLS, ACLS and PALS) within each training site, and its chairperson is a member of the TCLS Advisory Board. The committee provides oversight, coordination and administration of the training site network.

Three newsletters were published and distributed to all instructors and training sites. The communications included curriculum updates, American Heart Association news and updates, positive acknowledgment of instructors who assist TCLS, quality assurance feedback, pricing information and other pertinent information.

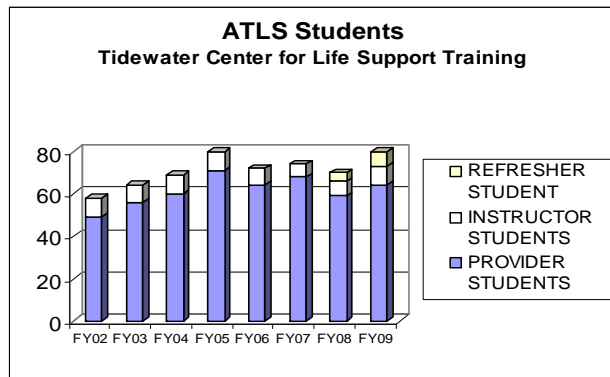
An Internet presence was maintained by EVMS www.evms.edu/tcls which includes on-line course availability and BLS course registration, past newsletters, instructor forms and training site policies.

Our Affiliated American Heart Association Training Sites

Chesapeake Fire Department
Center for EMS Training
The Beat Goes On
Virginia Beach EMS
Medical Careers Center for Life Support
Auto Precision Tech

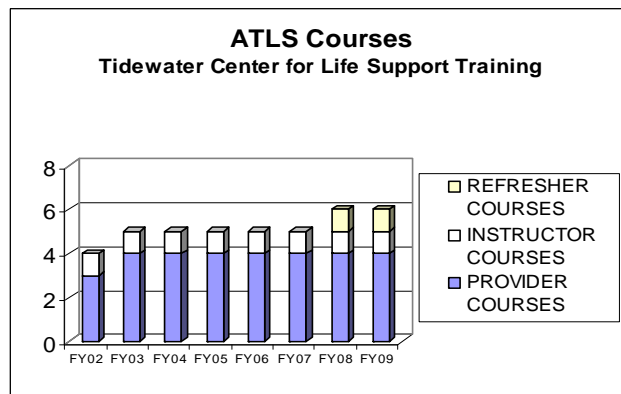
Advanced Trauma Life Support® (ATLS)

Seventy-six physicians, residents, physician extenders and auditors completed one of five Advanced Trauma Life Support (ATLS) Student courses and one Refresher course offered by the Center during FY09. Nearly one-third of our ATLS students were from out of state and several were international. One of the courses was held specifically for incoming surgical and emergency medicine residents. Nine instructor candidates successfully completed one instructor course.



Some 30 physician ATLS instructors taught the ATLS courses. Instructor reimbursement made it possible to attract instructors and achieve required student/instructor ratios set by the American College of Surgeons. The ATLS curriculum and all course standards are developed, and closely monitored by, the American College of Surgeons. During the year, the ATLS curriculum was updated to the tenth edition, and update materials were distributed to all active instructors. Medical directors for the program were L. D. Britt, MD, MPH, Leonard J. Weireter, Jr., MD, Jay N. Collins, MD and Scott F. Reed, MD, all of the Department of Surgery, EVMS who alternated as course directors.

A combined ACLS/PALS/ATLS brochure with local course and CME information was mailed to the local target medical community, and courses were also posted on the EVMS and American College of Surgeons' websites.



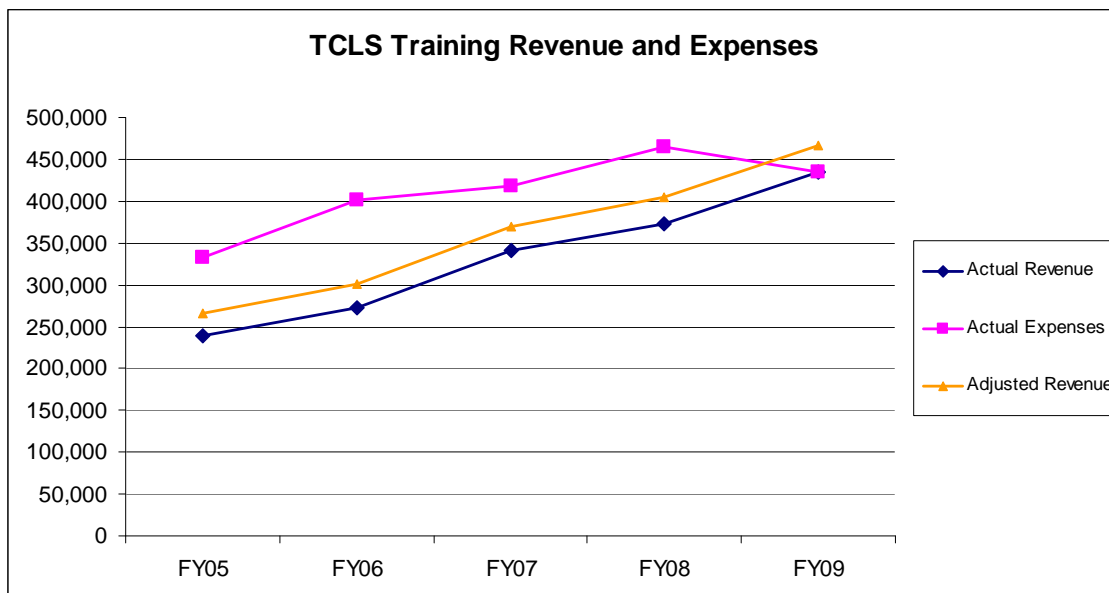
The center continued to utilize a surgical skills simulation manikin (TraumaMan), approved by the College of Surgeons, for use in ATLS programs in place of live animals for learning and practice of various life-saving surgical techniques.

Continuing medical education Category I credit was provided for all physician students by the American College of Surgeons and the American College of Emergency Physicians.

Financial Summary

All TCLS	FY09
Revenue	
Non-taxable	33,242
Courses	321,566
Roster fees	14,537
Material Sales	6,100
Instructor fee	11,040
Misc	108
Interdivisional	48,375
Total revenue	434,968
Expenses	
Salaries	5,751
Supplies	71,104
Contractual	282,353
General expenses	25,093
Rent	48,876
Bad debt exp	907
Total expenses	434,084

Salaries include instructor honoraria paid to persons employed by EVMS. Contractual expenses include all other instructor honoraria and staffing provided by the Tidewater EMS Council.



Adjustments to revenue include credit for free courses provided to medical students and discounts provided to medical residents.

TIDEWATER CENTER FOR LIFE SUPPORT TRAINING

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The Tidewater Center for Life Support Training is managed by the Tidewater EMS Council through an agreement with the Eastern Virginia Medical School.