

Department of Legislative Services
Maryland General Assembly
2014 Session

FISCAL AND POLICY NOTE
Revised

House Bill 316
Ways and Means

(Delegate Fraser-Hidalgo, *et al.*)

Education, Health, and Environmental Affairs

State Board of Education - Training Video on Cardiopulmonary Resuscitation
and Automated External Defibrillators

This bill requires the State Board of Education to post a training video on hands-only cardiopulmonary resuscitation (CPR) and automated external defibrillators (AED) on its website. The training video must be selected by the State board, in collaboration with the Department of Health and Mental Hygiene, at no charge to the State board, if possible and be no more than 15 minutes in duration. Each local board of education must (1) post a link to the training video on the school system's website; (2) publicize the training video in newsletters, bulletins, calendars, and other correspondence currently published by each local board; and (3) encourage school personnel and parents and guardians of students to view the training video.

The bill takes effect July 1, 2014.

Fiscal Summary

State Effect: The Maryland State Department of Education (MSDE) can post free, online training videos on hands-only CPR and AEDs on its website using existing resources.

Local Effect: Each local board of education can publicize the hands-only CPR and AED training videos using existing resources.

Small Business Effect: None.

Analysis

Current Law/ Background: Nearly 383,000 out-of-hospital sudden cardiac arrests occur annually. Effective bystander CPR provided immediately after sudden cardiac arrest can double or triple a victim's chance of survival, but only 32% of cardiac arrest victims get CPR from a bystander.

According to the American Heart Association (AHA), hands-only CPR, that is CPR with just chest compressions, has been proven to be as effective as CPR with breaths in treating adult cardiac arrest victims. A study published in *Circulation: Cardiovascular Quality and Outcomes* showed that people who view a CPR instructional video are significantly more likely to attempt life-saving resuscitation.

AHA has produced several short videos available for free online that demonstrate hands-only CPR (<http://goo.gl/r3iIDa>). The message in the videos is if you see a teen or adult suddenly collapse, call 9-1-1 and push hard and fast in the center of the chest to the beat of the classic disco song *Stayin' Alive*. According to AHA, CPR can more than double a person's chances of survival, and *Stayin' Alive* has the right beat for hands-only CPR. Training in first aid and CPR is required for Maryland public school personnel.

In general an AED is a medical heart monitor and defibrillator device that recognizes the presence or absence of ventricular fibrillation or rapid ventricular tachycardia that determines, without intervention by an operator, whether defibrillation should be performed. Then, if defibrillation is necessary, an AED automatically charges and either requires operator intervention to deliver the electrical impulse or automatically continues with delivery of electrical impulses. Most AEDs are about the size of a laptop computer and begin voice prompts on usage once turned on. Some AED manufactures offer free instructional videos of their products online. In addition, the AHA has posted at least one video demonstrating using CPR and an AED together (<http://goo.gl/h494TJ>).

AHA recommends AED placement in all emergency medical services first-response vehicles and targeted public areas such as sports arenas, gated communities, office complexes, doctor's offices, and shopping malls. If an AED is placed in a business or facility, AHA recommends that (1) a local emergency medical services office be notified; (2) a licensed physician or medical authority provide medical oversight; and (3) the individuals responsible for using the AED be properly trained.

Each local board of education has to develop and implement a High School AED Program, with at least one AED on-site in each public high school and one individual trained in operation and AED use present at each school-sponsored athletic event. Likewise, at least one trained individual has to be on-site at each high school during the

regular school day. An AED coordinator must also be designated, who is trained in CPR and AED operation

Additional Information

Prior Introductions: None.

Cross File: None.

Information Source(s): Maryland State Department of Education; Caroline, Montgomery, and Prince George's counties; The American Heart Association; Department of Legislative Services

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