

## CPR and AEDs save lives: insuring CPR-AED education and CPR-AED access in schools

Curr Opin Pediatr. 2020 Oct;32(5):641-645.

### Background & Objectives:

The outcomes from sudden cardiac arrest are generally quite poor in all ages and some data suggest that they are worse in the child and adolescent age group.

The objective of this article is to:

- Review the data for pediatric bystander CPR and AED use as it relates to out-of-hospital cardiac arrest (OHCA) survival.
- Review endeavors at CPR--AED education in the context of improving both community bystander CPR/AED interventions and OHCA survival.
- Suggest some potential educational interventions in order to increase both bystander CPR-AED use and OHCA survival in local communities.

# ACADEMIC P.E.A.R.L.S

Pediatric Evidence And Research Learning Snippet



## Ensuring CPR-AED education and CPR-AED access in schools

### Recent findings:

Review of several recent studies suggest:

- Incidence of bystander CPR--AED intervention is relatively low and that OHCA survival is also quite low in most communities.
- Community educational efforts can increase bystander CPR--AED interventions. The increase in OHCA survival may be attributed to the community educational efforts, yet that increase in survival is relatively small.
- A prospective high-school study has shown that in this very specific environment, a high incidence of CPR--AED use can be achieved, and that as a result the OHCA survival can be relatively high.

### Summary:

- It would be beneficial to attempt to ensure that all schools have a CPR--AED program along with a group of individuals trained to do CPR and use an AED.
- Schools should have CPR--AED programs and all students should learn CPR and AED use prior to graduation.

**Key message:** Strategy will ensure that we will have a community of individuals who would perform CPR and use an AED in the community and that in so doing we could increase the incidence of bystander CPR/AED use and increase the OHCA survival rate.

### EXPERT COMMENT

**“The study highlights the importance of teaching CPR and use of AED to the college students and making it a part of curriculum in order to increase the incidence of bystander CPR and survival of Out of Hospital Cardiac Arrest victims. Such a program can also be tested in Indian scenario to find out it’s feasibility and impact in our society. Such an initiative will go a long way in improving the outcome of OHCA survival. ”**

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With warm regards,

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### Reference

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