

# CWSF 2012 - Charlottetown, Prince Edward Island



## Improving Compliance to Lifesaving Medications

**Challenge:** Health  
**Category:** Intermediate  
**Region:**  
**City:**  
**School:**

**Abstract:** Medication non-compliance, often due to forgetfulness, is prevalent in our society and can have severe repercussions. A novel, automated, computer program was created to send reminder text messages to cell phones. This system demonstrated significant improvements in compliance in healthy volunteers, stable patients, and post heart attack patients taking "life-saving" medications. Individuals with the highest rates of non-compliance appeared to benefit most from this system.

Awards	Value
Challenge Award - Health - Intermediate Sponsor: Canadian Institutes of Health Research	\$750
Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	\$1 500
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
<b>Total</b>	<b>\$6 250</b>