Adolescent suicide has increased 62% over 2 decades – universal screening can identify those at elevated risk.

Adolescent patients age 12-17 enrolled from 14 US Emergency Departments.

CASSY algorithms showed high classification accuracy for prediction of suicide attempt during 3 months after ED visit.

The CASSY was developed (study 1, n=2075) and validated (study 2, n=2754).

Mean of 11 adaptive questions, administered in ~ 1 ½ minutes.

Highly predictive, with validated classification accuracy.

The adaptive and personalized CASSY identifies level of risk for a suicide attempt and can facilitate linkage to services.

Triage recommendations and implementation studies are needed.