



# Screening and Managing Suicide Risk in Medical Settings: Adapting Research into Practice

---

**Lisa M. Horowitz, PhD, MPH**  
**Pediatric Psychologist / Staff Scientist**  
**Intramural Research Program**  
**National Institute of Mental Health, NIH**  
**Bethesda, Maryland**

**March 24<sup>th</sup>, 2021**  
**Project ECHO**  
**Billings Clinic**





**The views expressed in this presentation do not necessarily represent the views of the NIH, DHHS, or any other government agency or official. I have no financial conflicts to disclose.**

# Learning Objectives

---

- Review a brief epidemiology of suicide
  - Medical setting
- Discuss the development and study of a **validated** suicide risk screening instrument – ASQ
- Describe how to screen patients with the ASQ and manage patients that screen positive

# Take Home Messages

---

- Universal suicide risk screening for all patients in medical settings: **Ask directly**
- Clinicians require **population**-specific and **site**-specific **validated** screening instruments
- Clinical Pathway- 3-tiered system
  - Brief Screen (20 seconds)
  - Brief Suicide Safety Assessment (~10 minutes)
  - Full Psychiatric/Safety Evaluation (30 minutes)
- Discharge all patients with safety plan, resources (National Suicide Lifeline and Crisis Text Line), and lethal means safety counseling



Robin Williams  
1951 – 2014



Anthony Bourdain  
1956 – 2018



Kelly Catlin  
1995 – 2019



Kate Spade  
1962 – 2018



Thomas Raskin  
1995 – 2020



Calvin Desir  
2002 – 2019

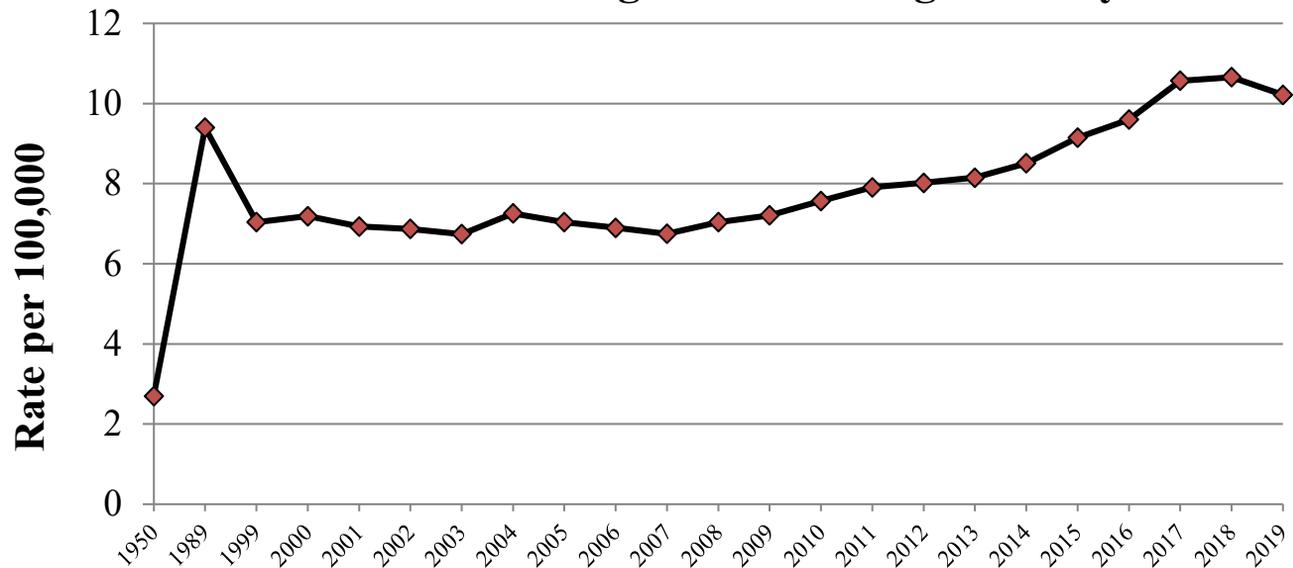


132 **every day** in the US,  
including **18 youth** (10-24y)

# Youth Suicide in the U.S.

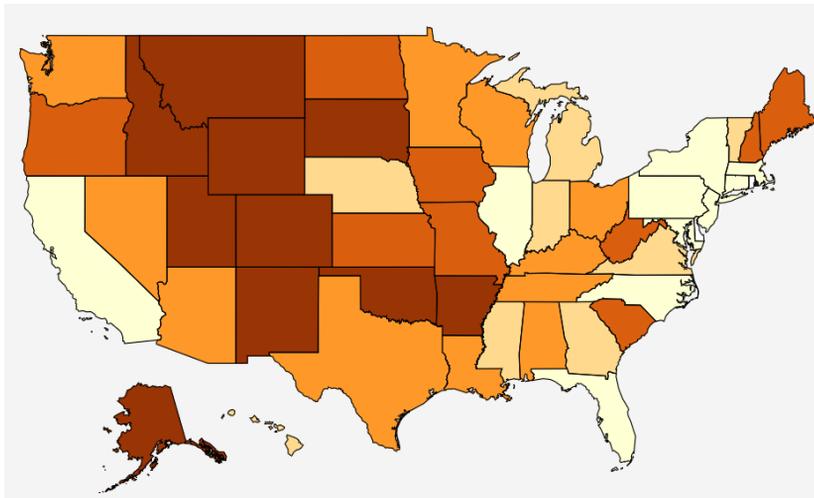
- **2<sup>nd</sup> leading cause of death** for **youth** aged 10-24y
- 24,587 total deaths in 2019 - 6,488 (**26%**) deaths by suicide

## Suicide Deaths among U.S. Youth Ages 10-24y



# Youth Suicide by State

- 2019 crude rates (per 100,000), 10-24y
- Highest rates
  - Alaska: 40.6 deaths
  - **Montana: 25.8 deaths**
- Lowest rates
  - Massachusetts: 5.2 deaths
  - New Jersey: 5.2 deaths



## Legend

- 5.2 to 9.4
- 9.4 to 10.8
- 10.8 to 12.3
- 12.3 to 15.4
- 15.4 to 40.6
- Suppressed Value

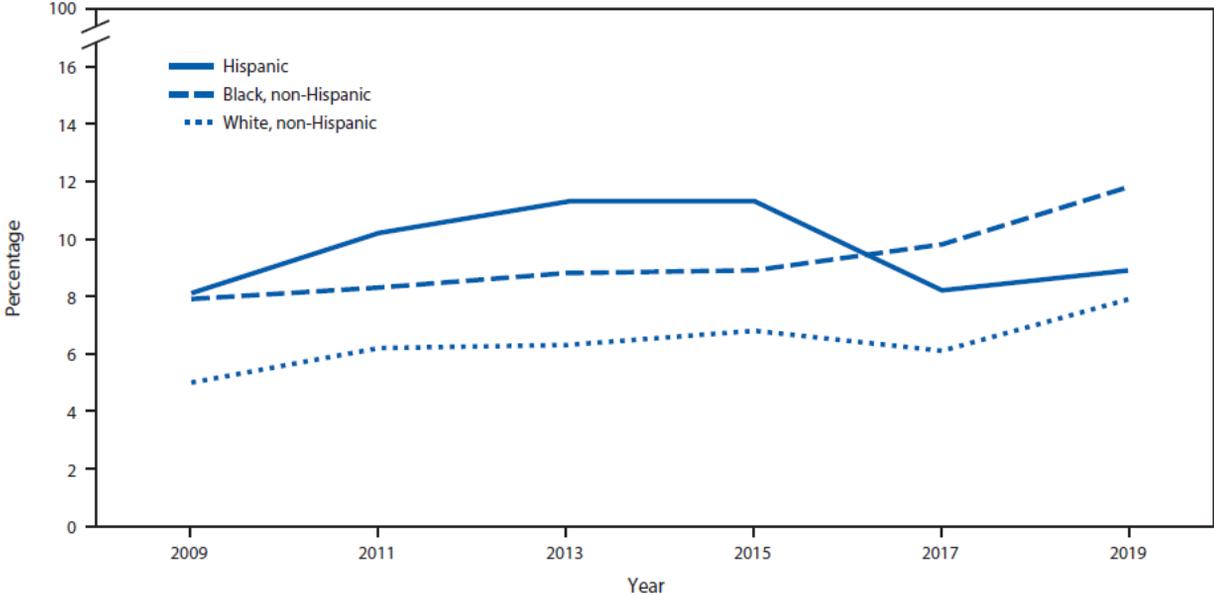
# Suicide Among AI/AN – All Ages

---

- **In 2019, 8<sup>th</sup> leading cause of death** for AI/AN
- 3,532 deaths in the AI/AN population
  - 19% (658) deaths by suicide
- **33%** (188/571) of all U.S. based AI/AN youth deaths are by suicide
- AI/AN die by suicide at higher rates than other racial/ethnic groups, especially true for youth

# Racial Disparities Among High School Students

FIGURE 2. Percentage of high school students who attempted suicide during the 12 months before the survey, by race/ethnicity — Youth Risk Behavior Survey, United States, 2009–2019



# High Risk Factors

---

- **Previous attempt**
- **Mental illness**
- Symptoms of depression, anxiety, agitation, impulsivity
- Exposure to suicide of a relative, friend or peer
- Physical/sexual abuse history
- Drug or alcohol abuse
- Lack of mental health treatment
- Suicide ideation
- Over age 60 and male
- Between the ages of 15 and 24
- LGBTQ
- Neurodevelopmental disorders
- Isolation
- Hopelessness
- **Medical illness**



# Suicide Warning Signs

These signs may mean someone is at risk for suicide. Risk is greater if a behavior is new or has increased and if it seems related to a painful event, loss, or change.

- ❖ Talking about wanting to die or to kill oneself.
- ❖ Looking for a way to kill oneself, such as searching online or buying a gun.
- ❖ Talking about feeling hopeless or having no reason to live.
- ❖ Talking about feeling trapped or in unbearable pain.
- ❖ Talking about being a burden to others.
- ❖ Increasing the use of alcohol or drugs.
- ❖ Acting anxious or agitated; behaving recklessly.
- ❖ Sleeping too little or too much.
- ❖ Withdrawing or feeling isolated.
- ❖ Showing rage or talking about seeking revenge.
- ❖ Displaying extreme mood swings.

**Suicide Is Preventable.**

**Call the Lifeline at 1-800-273-TALK (8255).**

**With Help Comes Hope**



Wally

# Can we save lives by screening for suicide risk in the medical setting?



# Suicide in the Hospital Setting

- Hospital-based suicides are rare and devastating
  - Ranked as a top-five Sentinel Event reported to TJC
  - 14% of hospital suicides occur in non-behavioral health settings

## Sentinel Alert Event

Joint Commission  
Issue 56, February 24, 2016

Detecting and treating suicide ideation in all settings

Published for Joint Commission-accredited organizations and interested health care professionals, *Sentinel Event Alert* identifies specific types of sentinel and adverse events and high risk conditions, describes their common underlying causes, and recommends steps to reduce risk and prevent future occurrences.

Accredited organizations should consider information in a *Sentinel Event Alert* when designing or redesigning processes and consider implementing relevant suggestions contained in the alert or reasonable alternatives.

Please route this issue to appropriate staff within your organization. *Sentinel Event Alert* may be reproduced if credited to The Joint Commission. To receive by email, or to view past issues, visit [www.jointcommission.org](http://www.jointcommission.org).

The rate of suicide is increasing in America.<sup>1</sup> Now the 10<sup>th</sup> leading cause of death,<sup>2</sup> suicide claims more lives than traffic accidents<sup>3</sup> and more than twice as many as homicides.<sup>4</sup> At the point of care, providers often do not detect the suicidal thoughts (also known as suicide ideation) of individuals (including children and adolescents) who eventually die by suicide, even though most of them receive health care services in the year prior to death.<sup>5</sup> Usually for reasons unrelated to suicide or mental health.<sup>6,7</sup> Timely, supportive continuity of care for those identified as at risk for suicide is crucial, as well.<sup>8</sup>

Through this alert, The Joint Commission aims to assist all health care organizations providing both inpatient and outpatient care to better identify and treat individuals with suicide ideation. Clinicians in emergency, primary and behavioral health care settings particularly have a crucial role in detecting suicide ideation and assuring appropriate evaluation. Behavioral health professionals play an additional important role in providing evidence-based treatment and follow-up care. For all clinicians working with patients with suicide ideation, care transitions are very important. Many patients at risk for suicide do not receive outpatient behavioral treatment in a timely fashion following discharge from emergency departments and inpatient psychiatric settings.<sup>4</sup> The risk of suicide is three times as likely (200 percent higher) the first week after discharge from a psychiatric facility<sup>9</sup> and continues to be high especially within the first year<sup>10</sup> and through the first four years<sup>11</sup> after discharge.

This alert replaces two previous alerts on suicide (issues 46 and 7). The suggested actions in this alert cover suicide ideation detection, as well as the screening, risk assessment, safety, treatment, discharge, and follow-up care of at-risk individuals. Also included are suggested actions for educating all staff about suicide risk, keeping health care environments safe for individuals at risk for suicide, and documenting their care.

Some organizations are making significant progress in suicide prevention.<sup>12</sup> The "Perfect Depression Care Initiative" of the Behavioral Health Services Division of the Henry Ford Health System achieved 10 consecutive calendar quarters without an instance of suicide among patients participating in the program. The U.S. Air Force's suicide prevention initiative reduced suicides by one-third over a six-year period. Over a period of 12 years, Asker and Berum Hospital near Oslo, Norway implemented continuity-of-care strategies and achieved a 54 percent decline in suicide attempts in a high-risk population with a history of poor compliance with follow-up. Additionally, the hospital's multidisciplinary suicide prevention team accomplished an 88 percent success rate for getting patients to the aftercare program to which they were referred.<sup>3</sup> Dallas' Parkland Memorial Hospital became the first U.S. hospital to implement universal screenings to assess whether patients are at risk for suicide. Through preliminary screenings of 100,000 patients from its hospital and emergency department, and of more than 50,000 outpatient clinic patients, the hospital has found 1.8 percent of patients there to be at high suicide risk and up to 4.5 percent to be at moderate risk.<sup>13</sup>

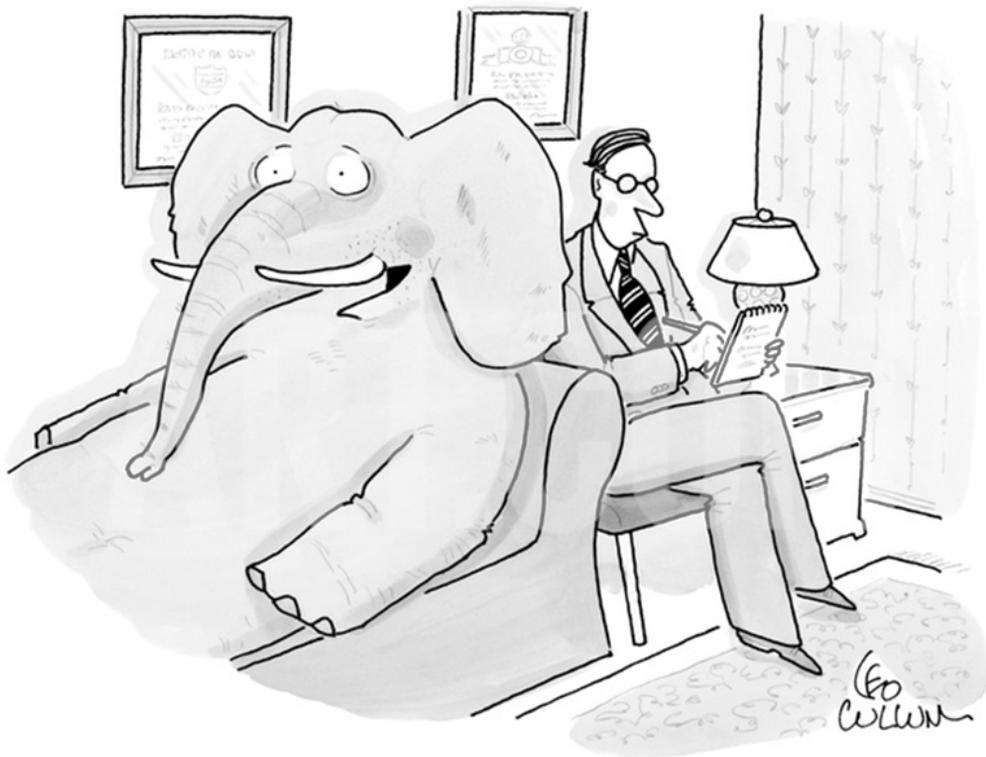


[www.jointcommission.org](http://www.jointcommission.org)

# Underdetection

---

- Majority of those who die by suicide have contact with a medical professional within 3 months of killing themselves
  - 80% of youth visited healthcare provider
  - 38% of adolescents had contact with a health care system within 4 weeks
  - 50% of youth had been to ED within 1 year
  - Frequently present with somatic complaints



“I’m right there in the room and no one even acknowledges me.”

# What are **valid** questions that nurses/physicians can use to screen **medical patients** for suicide risk in the medical setting?



# Screening vs. Assessment: What's the difference?

---

- **Suicide Risk Screening**
  - Identify individuals at risk for suicide
  - Oral, paper/pencil, computer
- **Suicide Risk Assessment**
  - Comprehensive evaluation
  - Confirms risk
  - Estimates imminent risk of danger to patient
  - Guides next steps



# Ask Suicide-Screening Questions (ASQ)

---

- 3 pediatric EDs
  - Boston Children’s Hospital, Boston, MA
  - Children’s National Medical Center, Washington, D.C.
  - Nationwide Children’s Hospital, Columbus, OH
- September 2008 to January 2011
- 524 pediatric ED patients
  - 344 medical/surgical, 180 psychiatric
  - 57% female, 50% white, 53% privately insured
  - 10 to 21 years (mean=15.2 years; SD = 2.6y)





# Suicide Risk Screening Tool

Ask Suicide-Screening Questions

### Ask the patient:

- 1. In the past few weeks, have you wished you were dead?  Yes  No
- 2. In the past few weeks, have you felt that you or your family would be better off if you were dead?  Yes  No
- 3. In the past week, have you been having thoughts about killing yourself?  Yes  No
- 4. Have you ever tried to kill yourself?  Yes  No  
If yes, how? \_\_\_\_\_  
\_\_\_\_\_  
When? \_\_\_\_\_  
\_\_\_\_\_

If the patient answers **Yes** to any of the above, ask the following acuity question:

- 5. Are you having thoughts of killing yourself right now?  Yes  No  
If yes, please describe: \_\_\_\_\_

### Next steps:

- If patient answers "No" to all questions 1 through 4, screening is complete (not necessary to ask question #5). No intervention is necessary (\*Note: Clinical judgment can always override a negative screen).
- If patient answers "Yes" to any of questions 1 through 4, or refuses to answer, they are considered a **positive screen**. Ask question #5 to assess acuity:
  - "Yes" to question #5 = **acute positive screen** (imminent risk identified)
    - Patient requires a **STAT safety/full mental health evaluation**.
    - **Patient cannot leave until evaluated for safety.**
    - Keep patient in sight. Remove all dangerous objects from room. Alert physician or clinician responsible for patient's care.
  - "No" to question #5 = **non-acute positive screen** (potential risk identified)
    - Patient requires a **brief suicide safety assessment** to determine if a **full mental health evaluation** is needed. **Patient cannot leave until evaluated for safety.**
    - Alert physician or clinician responsible for patient's care.

### Provide resources to all patients

- 24/7 National Suicide Prevention Lifeline 1-800-273-TALK (8255) En Español: 1-888-628-9454
- 24/7 Crisis Text Line: Text "HOME" to 741-741

Sensitivity: 96.9% (95% CI, 91.3-99.4)

Specificity: 87.6% (95% CI, 84.0-90.5)

### Negative predictive values:

-Medical/surgical patients:  
99.7% (95% CI, 98.2-99.9)

-Psychiatric patients: 96.9%  
(95% CI, 89.3-99.6)

# Results

---

- 98/524 (18.7%) screened positive for suicide risk
  - 14/344 (4%) medical/surgical chief complaints
  - 84/180 (47%) psychiatric chief complaints
- Feasible
  - Less than 1 minute to administer
  - Non-disruptive to workflow
- Acceptable
  - Parents/guardians gave permission for screening
  - Over 95% of patients were in favor of screening
- ASQ is now available in the public domain

# Validation and Implementations in Other Settings: Ongoing Research

- Inpatient medical/surgical unit
- Outpatient primary care/specialty clinics
- ASQ in adult medical patients
- Schools
- Child abuse clinics
- Detention Facilities
- Indian Health Service (IHS)
- ASD/NDD Population

## Foreign languages

- Spanish
- Italian
- French
- Portuguese
- Dutch
- Arabic
- Somali
- Hindi

- Hebrew
- Vietnamese
- Mandarin
- Korean
- Japanese
- Russian
- Tagalog
- Urdu

The image shows a screenshot of the ASQ Portuguese triage tool form. The title is "KIT DE FERRAMENTAS NIMH: PORTUGUESE" and "Ferramenta de triagem de risco de suicídio". The form is titled "Perguntas para triagem de suicídio" and "Pergunte ao paciente". It contains five numbered questions in Portuguese, each with "Sim" (Yes) and "Não" (No) radio button options. Question 1: "Nas últimas semanas, você desejou que estivesse morto?" (In the past few weeks, have you wished you were dead?). Question 2: "Nas últimas semanas, você sentiu que você ou sua família estariam em melhor situação se você estivesse morto?" (In the past few weeks, have you felt that you or your family would be better off if you were dead?). Question 3: "Na última semana, você teve pensamentos referentes a se matar?" (In the past week, have you been having thoughts about killing yourself?). Question 4: "Você já tentou se matar?" (Have you ever tried to kill yourself?). Question 5: "Você tem pensamentos referentes a se matar neste momento?" (Are you having thoughts of killing yourself right now?). Below the questions, there are sections for "Próximas etapas:" (Next steps) and "Forneça recursos a todos os pacientes:" (Provide resources to all patients). The "Próximas etapas:" section lists three scenarios: 1) "Não" response to question 1, 4, or 5 requires a full mental health assessment. 2) "Sim" response to any question requires a safety assessment and a safety plan. 3) "Sim" response to question 5 requires a safety assessment and a safety plan. The "Forneça recursos a todos os pacientes:" section lists three resources: 1) National Suicide Prevention Line (800-273-TALK), 2) Text Line (888-628-9434), and 3) Text Line (800-273-TALK) with a message "HOME".

# Specialty Clinics

Shayla Sullivant, MD, Site PI

- 59 (17.9%) screened positive for suicide risk  
4/59 (9.3%) identified as having **current** thoughts of suicide (at time)



Clinic	N = patients enrolled	Positive screens	% Screening Positive
Diabetes Mellitus	n = 69	n = 20	29%
Endocrine	n = 123	n = 27	22%
Orthopedics	n = 30	n = 5	16.7%
Sports Medicine	n = 108	n = 7	6.5%

Chi-square (3df) = 16.77, p=0.001

# Primary Care Results

---



**Elizabeth Wharff, PhD**  
**Laika Aguinaldo, PhD, LICSW**

- ~14% screened positive for suicide risk
- Only half had previously been asked about suicide by an adult
- More than 95% of patients supported universal suicide risk screening in primary care clinics

**Can depression screening be  
used to effectively screen for  
suicide risk?**

---

# Patient Health Questionnaire -9 (PHQ-9)

- 9-item depression screen assessing symptoms during the past 2 weeks
- Available in the public domain and commonly used in medical settings
- One “suicide-risk” question: Item #9
  - How often have you been bothered by the following symptoms during the past two weeks? *“Thoughts that you would be better off dead **or** hurting yourself in some way”*

Families, Systems, & Health  
2018, Vol. 56, No. 3, 281–288

© 2018 American Psychological Association  
1091-7527/18/\$12.00 <http://dx.doi.org/10.1037/fsh0000350>

## Inadequacy of the PHQ-2 Depression Screener for Identifying Suicidal Primary Care Patients

Aubrey R. Dueweke, MA, Mikenna S. Marin, BA, David J. Sparkman, MA,  
and Ana J. Bridges, PhD  
University of Arkansas



## HHS Public Access

Author manuscript

*J Clin Psychiatry*: Author manuscript; available in PMC 2017 February 01.

Published in final edited form as:

*J Clin Psychiatry*. 2016 February ; 77(2): 221–227. doi:10.4088/JCP.15m09776.

## Risk of suicide attempt and suicide death following completion of the Patient Health Questionnaire depression module in community practice

Gregory E Simon, MD, MPH<sup>1</sup>, Karen J Coleman, PhD<sup>2</sup>, Rebecca C Rossom, MD<sup>3</sup>, Arne Beck, PhD<sup>4</sup>, Malli Oliver, BA<sup>1</sup>, Eric Johnson, MS<sup>1</sup>, Ursula Whiteside, PhD<sup>1</sup>, Belinda Operskalski, MPH<sup>1</sup>, Robert B Penfold, PhD<sup>1</sup>, Susan M Shortreed, PhD<sup>1</sup>, and Carolyn Rutter, PhD<sup>1,4</sup>

*Psychomatics* 2015;56:460-469

© 2015 The Academy of Psychosomatic Medicine. Published by Elsevier Inc. All rights reserved.

## Original Research Reports

Comparison of Electronic Screening for Suicidal Risk With the Patient Health Questionnaire Item 9 and the Columbia Suicide Severity Rating Scale in an Outpatient Psychiatric Clinic

Adele C. Viguera, M.D., Nicholas Milano, M.D., Laurel Ralston D.O.,  
Nicolas R. Thompson, M.S., Sandra D. Griffith, Ph.D., Ross J. Baldessarini, M.D.,  
Irene L. Katzan, M.D., M.S.

# **Depression Screening vs. Suicide Risk Screening**

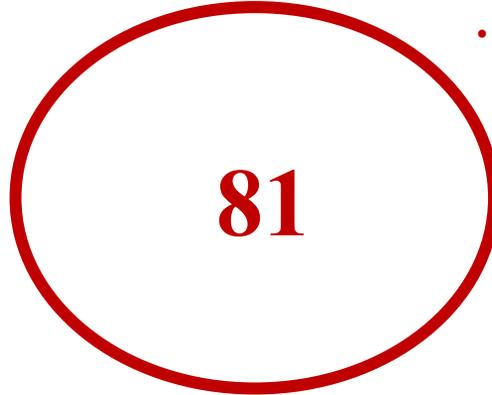
## **ASQ vs. PHQ-A**

---

# Suicide-risk positive

(13.5%)

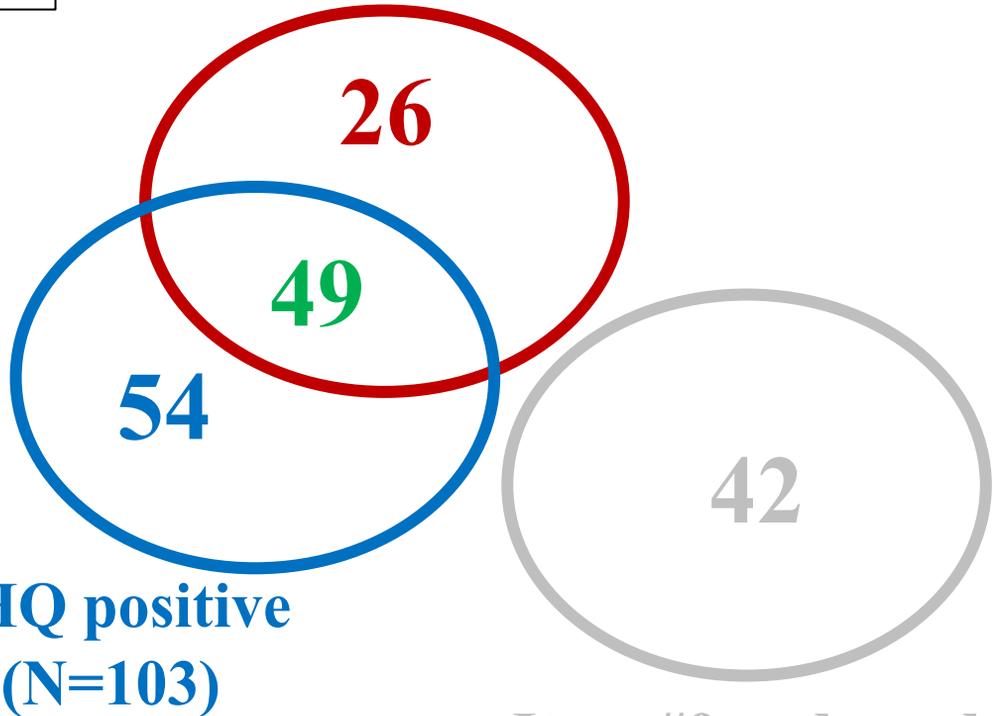
- SIQ  $\geq 41$
- SIQ-JR  $\geq 31$
- “Yes” to any ASQ item



Total N=600  
Medical/Surgical  
Inpatients

Total N=600  
Medical/Surgical  
Inpatients

**Suicide-risk positive  
(N=81)**

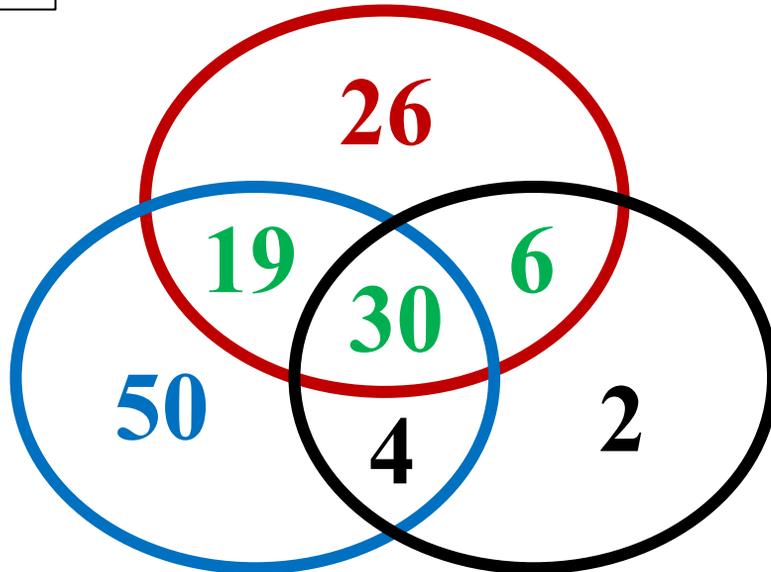


**PHQ positive  
(N=103)**

**Item #9 endorsed**

Total N=600  
Medical/Surgical  
Inpatients

**Suicide-risk positive  
(N=81)**



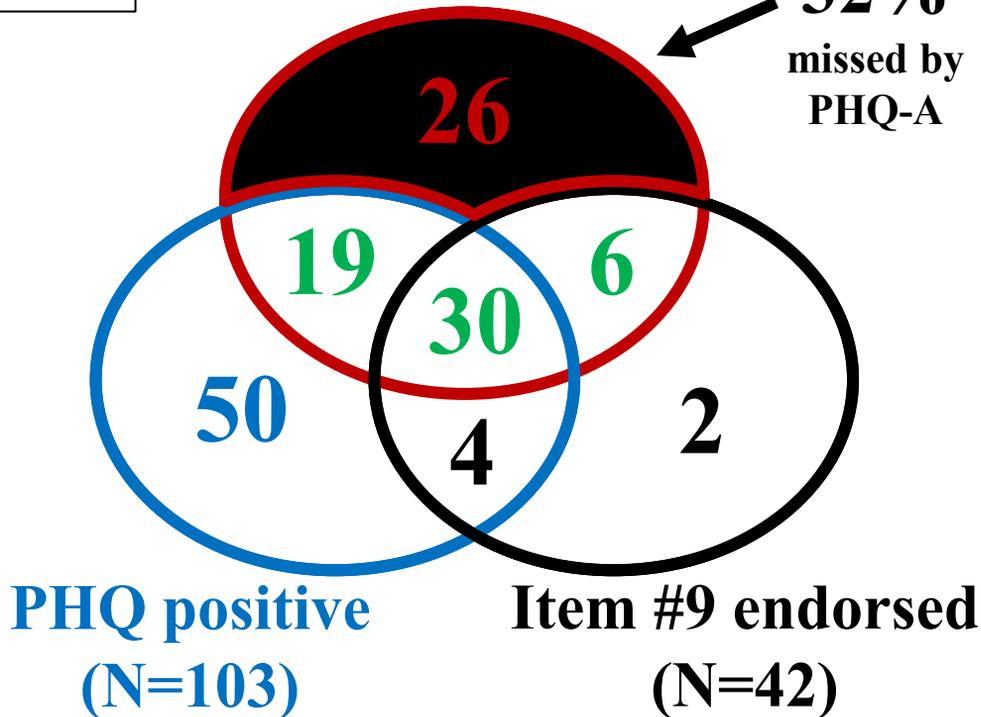
**PHQ positive  
(N=103)**

**Item #9 endorsed  
(N=42)**

Total N=600  
Medical/Surgical  
Inpatients

**Suicide-risk positive**  
(N=81)

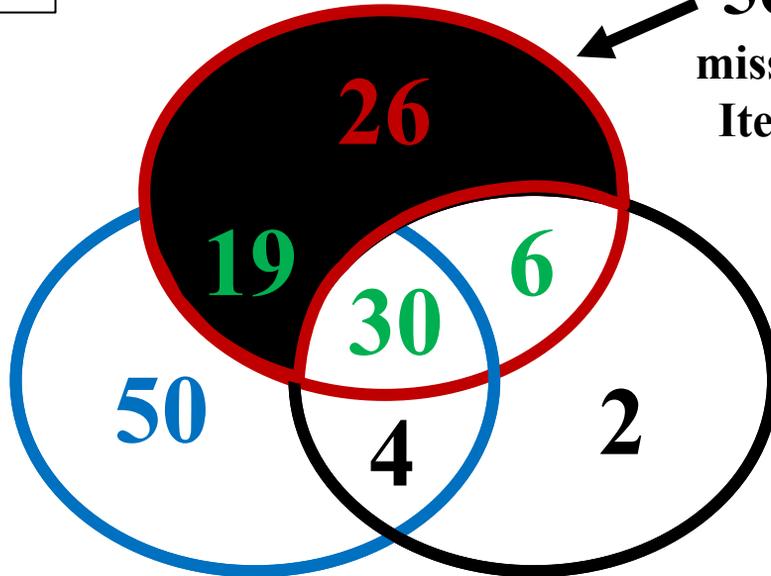
32%  
missed by  
PHQ-A



Total N=600  
Medical/Surgical  
Inpatients

**Suicide-risk positive**  
(N=81)

56%  
missed by  
Item #9



**PHQ positive**  
(N=103)

**Item #9 endorsed**  
(N=42)

PHQ-2



Suicide Risk  
Screen



PHQ-9





# ASQ Toolkit

---

[www.nimh.nih.gov/asq](http://www.nimh.nih.gov/asq)

# The ASQ Toolkit

## Organized by medical setting:

- ASQ Tool
- Brief Suicide Safety Assessments
- Information Sheets
- Scripts for staff
- Flyers for guardians
- Patient resources list
- Educational videos



The ASQ Toolkit Summary graphic features the ASQ logo (a stethoscope forming the letters 'ASQ') and the text 'NIMH TOOLKIT' in the top right corner. Below the logo is a red banner with 'ASQ Toolkit Summary' in white. Underneath is a blue banner with 'Ask Suicide-Screening Questions' in white. The main text describes the toolkit's organization by medical setting and lists materials for three categories: Emergency Department (ED/ER), Inpatient Medical/Surgical Unit, and Outpatient Primary Care/Specialty Clinics. A note at the bottom states that materials are the same across all settings and can be used in other youth settings. The footer includes the ASQ logo, 'ASQ Suicide Risk Screening Toolkit', and the NIMH logo with 'NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)' and 'NIH'.

**ASQ Toolkit Summary**

Ask Suicide-Screening Questions

The ASQ toolkit is organized by the medical setting in which it will be used: **emergency department, inpatient medical/surgical unit, and outpatient primary care and specialty clinics.** All toolkit materials are available on the NIMH website at [www.nimh.nih.gov/asq](http://www.nimh.nih.gov/asq). Questions about the materials or how to implement suicide risk screening can be directed to Lisa Horowitz, PhD, MPH at [horowitzl@mail.nih.gov](mailto:horowitzl@mail.nih.gov) or Debbie Snyder, MSW at [DeborahSnyder@mail.nih.gov](mailto:DeborahSnyder@mail.nih.gov).

**Emergency Department (ED/ER):**

- ASQ Information Sheet\*
- ASQ Tool\*
- Brief Suicide Safety Assessment Guide
- Nursing Script
- Parent/Guardian Flyer
- Patient Resource List\*
- Educational Videos\*

**Inpatient Medical/Surgical Unit:**

- ASQ Information Sheet\*
- ASQ Tool\*
- Brief Suicide Safety Assessment Guide
- Nursing Script
- Parent/Guardian Flyer
- Patient Resource List\*
- Educational Videos\*

**Outpatient Primary Care/Specialty Clinics:**

- ASQ Information Sheet\*
- ASQ Tool\*
- Brief Suicide Safety Assessment Guide
- Nursing Script
- Parent/Guardian Flyer
- Patient Resource List\*
- Educational Videos\*

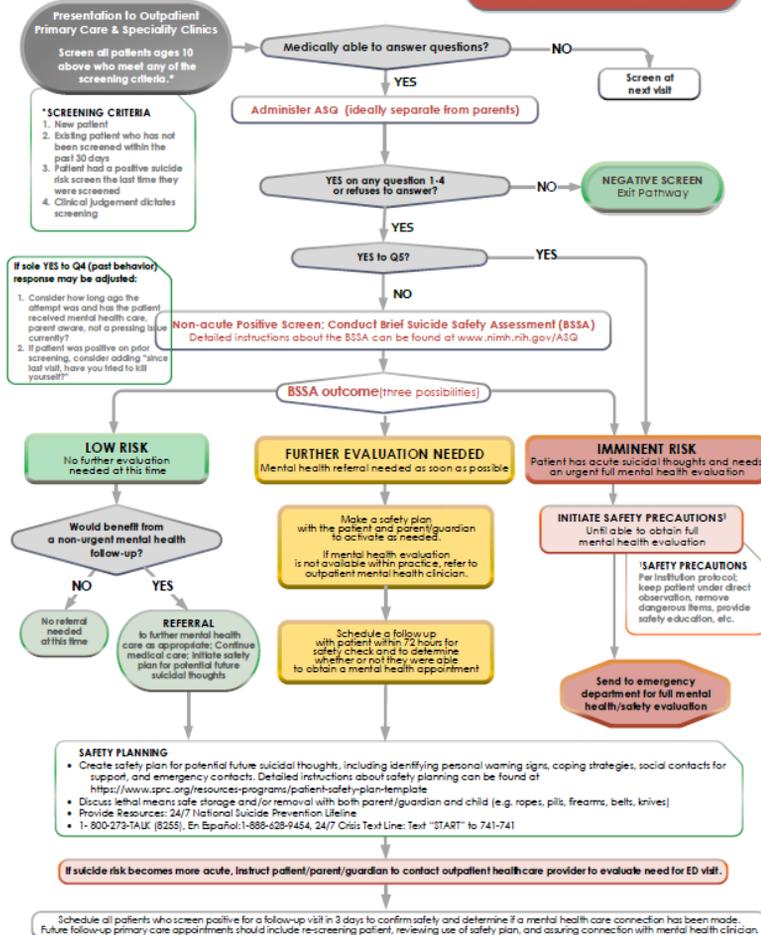
**\*Note: The following materials remain the same across all medical settings. These materials can be used in other settings with youth (e.g. school nursing office, juvenile detention centers).**

- ASQ Information Sheet
- ASQ Tool
- ASQ in other languages
- Patient Resource List
- Educational Videos

ASQ Suicide Risk Screening Toolkit NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH) NIH

# SUICIDE RISK SCREENING PATHWAY

## OUTPATIENT PRIMARY CARE & SPECIALITY CLINICS

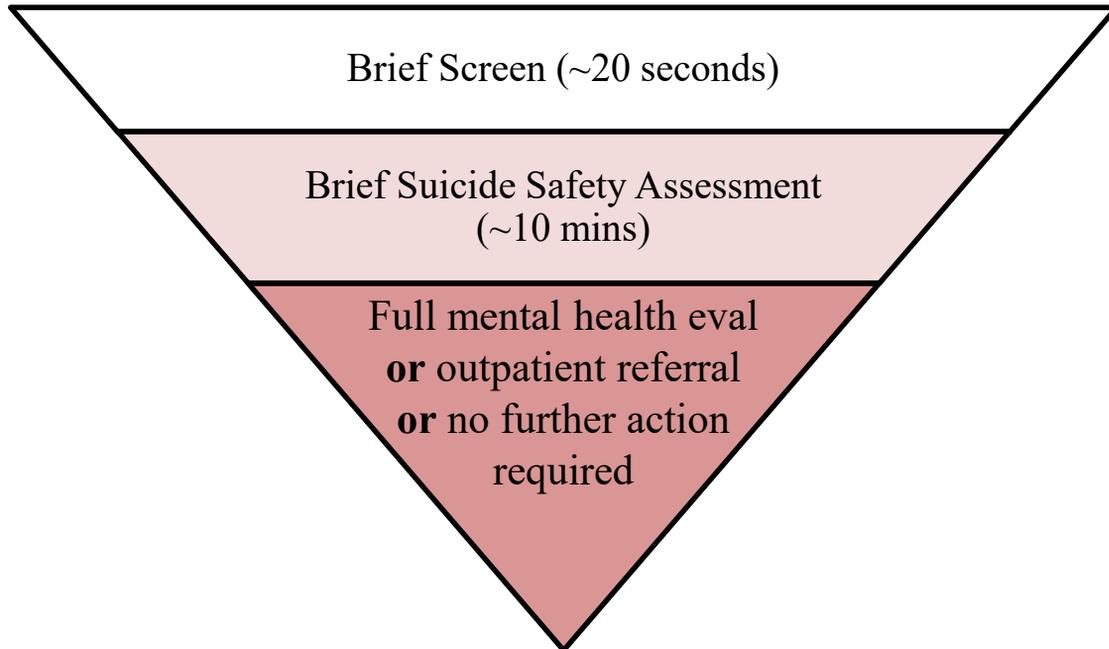


asQ -V- 10/9/2020

# Universal Suicide Risk Screening Clinical Pathway

---

## Clinical Pathway- 3-tiered system





# Brief Suicide Safety Assessment

## Outpatient BSSA



### Brief Suicide Safety Assessment

NIMH TOOLKIT: OUTPATIENT

#### Ask Suicide-Screening Questions

What to do when a pediatric patient screens positive for suicide risk:

- Use offer a parent (16–24 years) screens positive for suicide risk on the ASQ
- Assessment guide for mental health clinicians, MDs, NPs, or PAs
- Prompts help determine disposition

### 1 Praise patient *for discussing their thoughts*

"I'm here to follow up on your responses to the suicide risk screening questions. These are hard things to talk about. Thank you for telling us. I need to ask you a few more questions."

### 2 Assess the patient *(If possible, assess patient alone depending on developmental considerations and parent willingness.)*

Review patient's responses from the ASQ

#### Frequency of suicidal thoughts

Determine if and how often the patient is having suicidal thoughts.

**Ask the patient:** "In the past few weeks, have you been thinking about killing yourself?" If yes, ask: "How often?" (once or twice a day, several times a day, a couple times a week, etc.) "When was the last time you had these thoughts?"

"Are you having thoughts of killing yourself right now?" (If "yes," patient requires an urgent STAT mental health evaluation and cannot be left alone. A positive response indicates imminent risk.)

#### Suicide plan

Assess if the patient has a suicide plan, regardless of how they responded to any other questions (ask about method and access to means).

**Ask the patient:** "Do you have a plan to kill yourself?" If yes, ask: "What is your plan?" If no plan, ask: "If you were going to kill yourself, how would you do it?"

**Note:** If the patient has a very detailed plan, this is more concerning than if they haven't thought it through in great detail. If the plan is feasible (e.g., if they are planning to use pills and have access to pills), this is a reason for greater concern and removing or securing dangerous items (medications, guns, ropes, etc.).

#### Past behavior

Evaluate past self-injury and history of suicide attempts (method, estimated date, intent).

**Ask the patient:** "Have you ever tried to hurt yourself?" "Have you ever tried to kill yourself?"

If yes, ask: "How? When? Why?" and assess intent: "Did you think [method] would kill you?" "Did you want to die?" (for youth, intent is as important as lethality of method) Ask: "Did you receive medical/psychiatric treatment?"

**Notes:** Past suicidal behavior is the strongest risk factor for future attempts.

#### Symptoms *Ask the patient about:*

**Depression:** "In the past few weeks, have you felt so sad or depressed that it makes it hard to do the things you would like to do?"

**Anxiety:** "In the past few weeks, have you felt so worried that it makes it hard to do the things you would like to do or that you feel constantly agitated/on-edge?"

**Impulsivity/Recklessness:** "Do you often act without thinking?"

**Hopelessness:** "In the past few weeks, have you felt hopeless, like things would never get better?"

**Anhedonia:** "In the past few weeks, have you felt like you couldn't enjoy the things that usually make you happy?"

**Irritability:** "Have you been keeping to yourself more than usual?"

**Irritability:** "In the past few weeks, have you been feeling more irritable or grouchy than usual?"

**Substance and alcohol use:** "In the past few weeks, have you used drugs or alcohol?" If yes, ask: "What? How much?"

**Sleep patterns:** "In the past few weeks, have you had trouble falling asleep or found yourself waking up in the middle of the night or earlier than usual in the morning?"

**Appetite:** "In the past few weeks, have you noticed changes in your appetite? Have you been less hungry or more hungry than usual?"

**Other concerns:** "Recently, have there been any concerning changes in how you are thinking or feeling?"

#### Social Support & Stressors

*(For all questions, if patient answers yes, ask them to describe.)*

**Support network:** "Is there a trusted adult you can talk to? Who? Have you ever seen a therapist/counselor?" If yes, ask: "When?"

**Family situation:** "Are there any conflicts at home that are hard to handle?"

**School functioning:** "Do you ever feel so much pressure at school (academic or social) that you can't take it anymore?"

**Bullying:** "Are you being bullied or picked on?"

**Suicide contagion:** "Do you know anyone who has killed themselves or tried to kill themselves?"

**Reasons for living:** "What are some of the reasons you would NOT kill yourself?"



### Brief Suicide Safety Assessment

NIMH TOOLKIT: OUTPATIENT

#### Ask Suicide-Screening Questions

### 3 Interview patient & parent/guardian together

*If patient is ≥ 18 years, ask patient's permission for parent/guardian to join.*

Say to the parent: "After speaking with your child, I have some concerns about his/her safety. We are glad your child spoke up as this can be a difficult topic to talk about. We would now like to get your perspective."

- "Your child said... (reference positive responses on the ASQ). Is this something he/she shared with you?"
- "Does your child have a history of suicidal thoughts or behavior that you're aware of?" If yes, say: "Please explain."
- "Does your child seem:
  - o Sad or depressed?"
  - o Anxious?"
  - o Impulsive?"
  - o Hopeless?"
  - o Reckless?"
  - o Unable to enjoy the things that usually bring him/her pleasure?"
  - o Withdrawn from friends or to be speaking to him/herself?"

- "Have you noticed changes in your child's:
  - o Sleeping pattern?"
  - o Appetite?"
- "Does your child use drugs or alcohol?"
- "Has anyone in your family/close friend network ever tried to kill themselves?"
- "How are potentially dangerous items stored in your home?" (e.g. guns, medications, poisons, etc.)
- "Does your child have a trusted adult they can talk to?" (Normalize that youth are often more comfortable talking to adults who are not their parents.)
- "Are you comfortable keeping your child safe at home?"

**At the end of the interview, ask the parent/guardian:** "Is there anything you would like to tell me in private?"

### 4 Make a safety plan with the patient *(Include the parent/guardian, if possible.)*

Create a safety plan for managing potential future suicidal thoughts. A safety plan is different than making a "safety contract"; asking the patient to contract for safety is NOT effective and may be dangerous or give a false sense of security.

**Say to patient:** "Our first priority is keeping you safe. Let's work together to develop a safety plan for when you are having thoughts of suicide."

Examples: "I will tell my mom/coach/teacher..." "I will call the hotline..." "I will call..."

Discuss coping strategies to manage stress (such as journal writing, distraction, exercise, self-soothing techniques).

**Discuss means restriction** (securing or removing lethal means): "Research has shown that limiting access to dangerous objects saves lives. How will you secure or remove these potentially dangerous items (guns, medications, ropes, etc.)?"

**Ask safety question:** "Do you think you need help to keep yourself safe?" (A "no" response does not indicate that the patient is safe but a "yes" is a reason to act immediately to ensure safety.)

### 5 Determine disposition

After completing the assessment, choose the appropriate disposition plan. If possible, nurse should follow-up with a check-in phone call (within 48 hours) with all patients who screened positive.

- Emergency psychiatric evaluation:** Patient is at imminent risk for suicide (current suicidal thoughts). Send to emergency department for extensive mental health evaluation (unless contact with a patient's current mental health provider is possible and alternative safety plan for imminent risk is established).
- Further evaluation of risk is necessary:** Review the safety plan and send home with a mental health referral as soon as patient can get an appointment (preferably within 72 hours).
- Patient might benefit from non-urgent mental health follow-up:** Review the safety plan and send home with a mental health referral.
- No further intervention is necessary at this time.**

*For all positive screens, follow up with patient at next appointment.*

### 6 Provide resources to all patients

- 24/7 National Suicide Prevention Lifeline 1-800-273-TALK (8255) En Español: 1-888-628-9454
- 24/7 Crisis Text Line: Text "HOME" to 741-741

# What is the purpose of the BSSA?

---

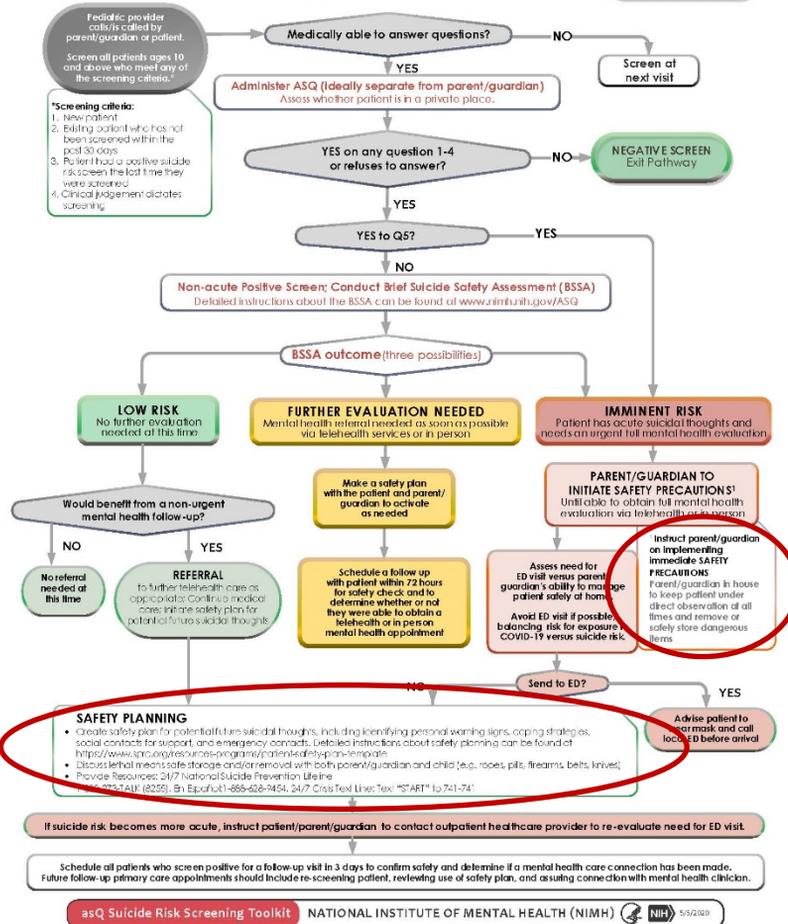
- To help clinician make “next step” decision
- 4 Choices



- **Imminent Risk**
  - Emergency psychiatric evaluation
- **High Risk**
  - Further evaluation of risk is necessary
- **Low Risk**
  - Not the “business of the day”
  - No further intervention is necessary at this time.

# COVID-19: YOUTH SUICIDE RISK SCREENING PATHWAY

Outpatient Primary Care & Specialty Clinics via Phone



# Safety Planning

## Patient Safety Plan Template

**Step 1: Warning signs (thoughts, images, mood, situation, behavior) that a crisis may be developing:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Step 2: Internal coping strategies – Things I can do to take my mind off my problems without contacting another person (relaxation technique, physical activity):**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**Step 3: People and social settings that provide distraction:**

1. Name \_\_\_\_\_ Phone \_\_\_\_\_
2. Name \_\_\_\_\_ Phone \_\_\_\_\_
3. Place \_\_\_\_\_ 4. Place \_\_\_\_\_

**Step 4: People whom I can ask for help:**

1. Name \_\_\_\_\_ Phone \_\_\_\_\_
2. Name \_\_\_\_\_ Phone \_\_\_\_\_
3. Name \_\_\_\_\_ Phone \_\_\_\_\_

**Step 5: Professionals or agencies I can contact during a crisis:**

1. Clinician Name \_\_\_\_\_ Phone \_\_\_\_\_  
Clinician Pager or Emergency Contact # \_\_\_\_\_
2. Clinician Name \_\_\_\_\_ Phone \_\_\_\_\_  
Clinician Pager or Emergency Contact # \_\_\_\_\_
3. Local Urgent Care Services \_\_\_\_\_  
Urgent Care Services Address \_\_\_\_\_  
Urgent Care Services Phone \_\_\_\_\_
4. Suicide Prevention Lifeline Phone: 1-800-273-TALK (8255)

**Step 6: Making the environment safe:**

1. \_\_\_\_\_
2. \_\_\_\_\_

Safety Plan Template ©2008 Barbara Stanley and Gregory K. Brown, is reprinted with the express permission of the authors. No portion of the Safety Plan Template may be reproduced without their express, written permission. You can contact the authors at bstan2@columbia.edu or gregbrown@mail.med.upenn.edu.

- Warning Signs
- Coping Strategies
- Social Contacts for Support
- Emergency Contacts
- Reduce Access to Lethal Means

Stanley, B., & Brown, G. K. (2012). Safety planning intervention: A brief intervention to mitigate suicide risk. *Cognitive and Behavioral Practice, 19*(2), 256-264.

# Lethal Means Safety

---



# A Word about Fostering Resilience

---



# Resilience is not the absence of struggle... It's messy.

---



Does not mean immediately being okay.

# How do we teach young people to handle the ups and downs of life?



3RD EDITION

*Includes  
Online Videos!*

# BUILDING RESILIENCE IN CHILDREN AND TEENS

Giving Kids Roots and Wings

KENNETH R. GINSBURG, MD, MS Ed, FAAP  
WITH MARTHA M. JABLOW

American Academy of Pediatrics  
DEDICATED TO THE HEALTH OF ALL CHILDREN™



# Seven C's of Resilience

---

- (1) Competence
- (2) Confidence
- (3) Connection
- (4) Character
- (5) Contribution
- (6) Coping
- (7) Control



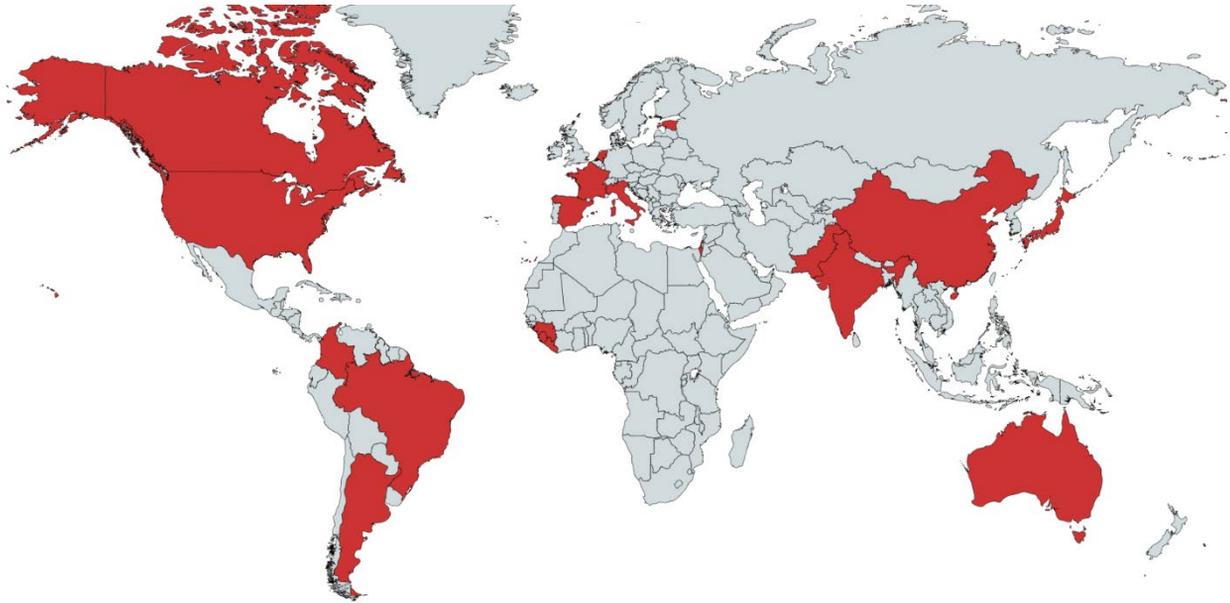
# Turning research into practice

---



# ASQ Worldwide

---



# Summary

---

- Medical setting is important venue to identify individuals at risk for suicide – **ask directly**
- Screening can take 20 seconds
- Requires practice guidelines for managing positive screens
  - Clinical Pathway- 3-tiered system
    - Brief screen (20 seconds)
    - BSSA (~10 minutes)
    - Full mental health/safety evaluation (30 minutes)
- Fostering resilience is critical and may be protective against suicide risk
- Counsel families on how to safely store or remove lethal means (firearms, pills, knives, ropes)

# A patient example

- 18 y.o. male presenting with fatigue
- Nurse intuition – something not right
- Administered ASQ

NIMH TOOLKIT

**asQ** Suicide Risk **Screening Tool**

Ask Suicide-Screening Questions

**Ask the patient:**

1. In the past few weeks, have you wished you were dead?  Yes  No

2. In the past few weeks, have you felt that you or your family would be better off if you were dead?  Yes  No

3. In the past week, have you been having thoughts about killing yourself?  Yes  No

4. Have you ever tried to kill yourself?  Yes  No

If yes, how? \_\_\_\_\_

\_\_\_\_\_

When? \_\_\_\_\_

\_\_\_\_\_

*If the patient answers Yes to any of the above, ask the following acuity question:*

5. Are you having thoughts of killing yourself right now?  Yes  No

If yes, please describe: \_\_\_\_\_

**Next steps:**

- If patient answers "No" to all questions 1 through 4, screening is complete (not necessary to ask question #5). No intervention is necessary. (\*Note: Clinical judgment can always override a negative screen).
- If patient answers "Yes" to any of questions 1 through 4, or refuses to answer, they are considered a **positive screen**. Ask question #5 to assess acuity:
  - "Yes" to question #5 = **acute positive screen** (imminent risk identified)
    - Patient requires a **SIAT safety/full mental health evaluation**.
    - **Patient cannot leave until evaluated for safety.**
    - Keep patient in sight. Remove all dangerous objects from room. Alert physician or clinician responsible for patient's care.
  - "No" to question #5 = **non-acute positive screen** (potential risk identified)
    - Patient requires a **brief suicide safety assessment** to determine if a **full mental health evaluation** is needed. **Patient cannot leave until evaluated for safety.**
    - Alert physician or clinician responsible for patient's care.

**Provide resources to all patients**

- 24/7 National Suicide Prevention Lifeline 1-800-273-TALK (8255) En Español: 1-888-628-9454
- 24/7 Crisis Text Line: Text "HOME" to 741-741

asQ Suicide Risk Screening Toolkit NATIONAL INSTITUTE OF MENTAL HEALTH (NIMH)  4/13/2017

# Thank You!

## Study teams and staff at

### National Institute of Mental Health

Maryland Pao, MD  
Deborah Snyder, MSW  
Elizabeth Ballard, PhD  
Audrey Thurm, PhD  
Michael Schoenbaum, PhD  
Jane Pearson, PhD  
Susanna Sung, LCSW-C  
Kalene DeHaut, LCSW  
Kathleen Samiy, MFA  
Jeanne Radcliffe, RN, MPH  
Dan Powell, BA  
Eliza Lanzillo, BA  
Mary Tipton, BA  
Annabelle Mournet, BA  
Nathan Lowry, BA

### Indian Health Service

Pamela End of Horn, MSW, LCSW  
Sean Bennett, LCSW, BCD  
Tamara James, PhD  
Wendy Wisdom, MSW  
Ryan Garcia, PMP  
Skye Bass, LCSW

### Nationwide Children's Hospital

Jeffrey Bridge, PhD  
John Campo, MD  
Arielle Sheftall, PhD  
Elizabeth Cannon, MA

### Boston Children's Hospital

Elizabeth Wharff, PhD  
Fran Damian, MS, RN, NEA-BC  
Laika Aguinaldo, PhD

### Children's National Medical Center

Martine Solages, MD  
Paramjit Joshi, MD

### Parkland Memorial Hospital

Kim Roaten, PhD  
Celeste Johnson, DNP, APRN,  
PMH CNS  
Carol North, MD, MPE

### Pediatric & Adolescent Health Partners

Ted Abernathy, MD

### Harvard Injury Control Research Center

Matthew Miller, MD, MPH, Sc.D.

### Children's Mercy Kansas City

Shayla Sullivant, MD

### PaCC Working Group

Khyati Brahmhatt, MD  
Brian Kurtz, MD  
Khaled Afzal, MD  
Lisa Giles, MD  
Kyle Johnson, MD  
Elizabeth Kowal, MD

### Catholic University

Dave Jobes, PhD

### Beacon Tree Foundation

Anne Moss Rogers

Thank you to the **American Foundation for Suicide Prevention** for supporting our ASQ Inpatient Study at CNMC

A special thank you to **nursing staff**, who are instrumental in suicide risk screening.

We would like to thank the **patients and their families** for their time and insight.

# References

- Ahmedani, B. K., Peterson, E. L., Hu, Y., Rossom, R. C., Lynch, F., Lu, C. Y., ... & Williams, L. K. (2017). Major physical health conditions and risk of suicide. *American journal of preventive medicine*, 53(3), 308-315.
- Brahmabhatt, K., Kurtz, B. P., Afzal, K. I., Giles, L. L., Kowal, E. D., Johnson, K. P., ... & Workgroup, P. (2019). Suicide risk screening in pediatric hospitals: clinical pathways to address a global health crisis. *Psychosomatics*, 60(1), 1-9.
- Centers for Disease Control and Prevention. [2017] Youth Risk Behavior Survey Data. Available at: [www.cdc.gov/yrbs](http://www.cdc.gov/yrbs). Accessed on [March 22, 2019].
- DeCou, C. R., & Schumann, M. E. (2018). On the iatrogenic risk of assessing suicidality: A meta-analysis. *Suicide and Life-Threatening Behavior*, 48(5), 531-543.
- Dueweke, A. R., Marin, M. S., Sparkman, D. J., & Bridges, A. J. (2018). Inadequacy of the PHQ-2 depression screener for identifying suicidal primary care patients. *Families, Systems, & Health*, 36(3), 281.
- Gould, M. S., Marrocco, F. A., Kleinman, M., Thomas, J. G., Mostkoff, K., Cote, J., & Davies, M. (2005). Evaluating iatrogenic risk of youth suicide screening programs: a randomized controlled trial. *Jama*, 293(13), 1635-1643.
- Great Lakes Inter-Tribal Council, Inc. Suicidal Behaviors Among American Indian/Alaska Native Populations: Indian Health Service Resource Patient Management System Suicide Reporting Form Aggregate Database Analysis, 2003-2012 funded by the Indian Health Service, Division of Behavioral Health. Lac du Flambeau, WI: Great Lakes Inter-Tribal Epidemiology Center, Great Lakes Inter-Tribal Council, Inc.; 2013.
- Horowitz, L. M., Bridge, J. A., Teach, S. J., Ballard, E., Klima, J., Rosenstein, D. L., ... & Joshi, P. (2012). Ask Suicide-Screening Questions (ASQ): a brief instrument for the pediatric emergency department. *Archives of pediatrics & adolescent medicine*, 166(12), 1170-1176.
- Mathias, C. W., Michael Furr, R., Sheftall, A. H., Hill-Kaptureczak, N., Crum, P., & Dougherty, D. M. (2012). What's the harm in asking about suicidal ideation?. *Suicide and Life-Threatening Behavior*, 42(3), 341-351.
- Pan, Y. J., Lee, M. B., Chiang, H. C., & Liao, S. C. (2009). The recognition of diagnosable psychiatric disorders in suicide cases' last medical contacts. *General hospital psychiatry*, 31(2), 181-184.
- Pena, J. B., & Caine, E. D. (2006). Screening as an approach for adolescent suicide prevention. *Suicide and Life-Threatening Behavior*, 36(6), 614-637.
- Rhodes, A. E., Khan, S., Boyle, M. H., Tonmyr, L., Wekerle, C., Goodman, D., ... & Manion, I. (2013). Sex differences in suicides among children and youth: the potential impact of help-seeking behaviour. *The Canadian Journal of Psychiatry*, 58(5), 274-282.
- The Joint Commission. A follow-up report on preventing suicide: focus on medical/surgical units and the emergency department. *Sentinel Event Alert*. 2010;(46): 1-4.
- Värnik, P. (2012). Suicide in the world. *International journal of environmental research and public health*, 9(3), 760-771.
- World Health Organization. (2014 January). *World Health Statistics*. Retrieved from [https://www.who.int/gho/publications/world\\_health\\_statistics/2014/en/](https://www.who.int/gho/publications/world_health_statistics/2014/en/)
- Centers for Disease Control and Prevention National Center for Injury Prevention and Control. Web-based Injury Statistics Query and Reporting System (WISQARS). [www.cdc.gov/ncipc/wisqars](http://www.cdc.gov/ncipc/wisqars). Accessed March 22, 2019
- United States Department of Health and Human Services. Substance Abuse and Mental Health Services Administration. Center for Behavioral Health Statistics and Quality. *National Survey on Drug Use and Health*, 2017

# Any Questions?

---

Just **asQ!**

[horowitzl@mail.nih.gov](mailto:horowitzl@mail.nih.gov)