

The Choking Game: What You Should Know About The Game Your Kids Are Dying To Play. 2013 NCSRC ANNUAL MEETING





Douglas E. Masini, EdD, RPFT, RRT-NPS, AE-C, FAARC Certified Clinical Sleep Educator (BRPT) Department Head, Diagnostic and Therapeutic Sciences Associate Professor and Program Director, Respiratory Therapy Clinical Assistant Professor, Internal Medicine, Mercer College of Medicine - Armstrong Atlantic State University Savannah, Georgia

The views expressed in this presentation are Doug Masini's, and do not represent the policy or opinions of Armstrong Atlantic State University, or Mercer University College of Medicine. Dr. Masini states no conflict of interest in this presentation.

SAVANNAH GEORGIA

ELCOME

GOALS AND OBJECTIVES:

- At the conclusion of this presentation, the learner will be able to:
- 1. Discuss asphyxial games and their prevalence in the CONUS.
- 2. Describe techniques associated with variants of the choking game.
- 3. Identify the normal airway structures, and signs and symptoms indicating the need for
- a surgical or emergency airway.
- 4. Be prepared to do something useful in the community.



Actual 911 call; a young boy finds his twin brother, who has lost the Choking Game.

Father warns about deadly games (2012)

A South Carolina father and mother found their 15 year-old daughter hanging in her bedroom closet by a belt hooked to a coat hook. The daughter had been conversant with the parents, and had excused herself to get ready for supper... been in the bedroom for less than 15 minutes when she was found. The death was ruled a suicide. The anguished parents are attempting to pass legislation that requires a coroner evaluate the cause of death as a potential accidental death versus suicide and so state on the death certificate.

Parents warned of 'choking game' danger

Associated Press - March 29, 2010 10:35 AM ET

DAVID CITY, Neb. (AP) - Law enforcement and school officials in eastcentral Nebraska are warning parents to be on the lookout for signs that their children are engaging in a potentially deadly activity known as the "choking game."

Concerns arose after 11-year-old Drew Fiala (fee-AH-lah) of David City, NE was found dead in his bedroom March 12 with a belt around his neck. He died of suffocation and is suspected of having played the choking game...

http://video.foxnews.com/v/4130057/choking-game-claims-boys-life

Case Study 1:

Choking game results in assault charges against Daniel Boone student. Published 08/31/2007 By <u>KRISTEN SWING</u>

A sophomore at Daniel Boone High School is facing assault charges after allegedly choking two fellow students to the point of unconsciousness.

The attacks reportedly happened Wednesday on a bus ride home from school. "It was around 2:45 or so in the afternoon," said Washington County Sheriff's Office Deputy John Rupe. "There was a load of kids on a bus coming down Rockingham Road." According to authorities, the 15-year-old choked two other sophomores as part of what he called a "choking game." "He said he was just playing around. He was saying to us that he was just playing a game with these guys," Rupe said. "But the other kids said he wasn't playing. He choked both of them until they passed out." One of the victims reportedly told authorities the boy came up behind him and started choking him without

ever saying a word. "Both victims had abrasions on their necks where he had put the chokehold on them," Rupe said. "We're definitely not looking at it as a game, and neither are the victims or their parents."

their parents." (Appeared in court September 24, 2007, "...and action was taken," said Washington County Director of Schools Grant Rowland. "The child has been suspended, that is my understanding." http://www.timesnews.net/article.php?id=9002789



Hajikame or naked strangle used in a bullying situation.



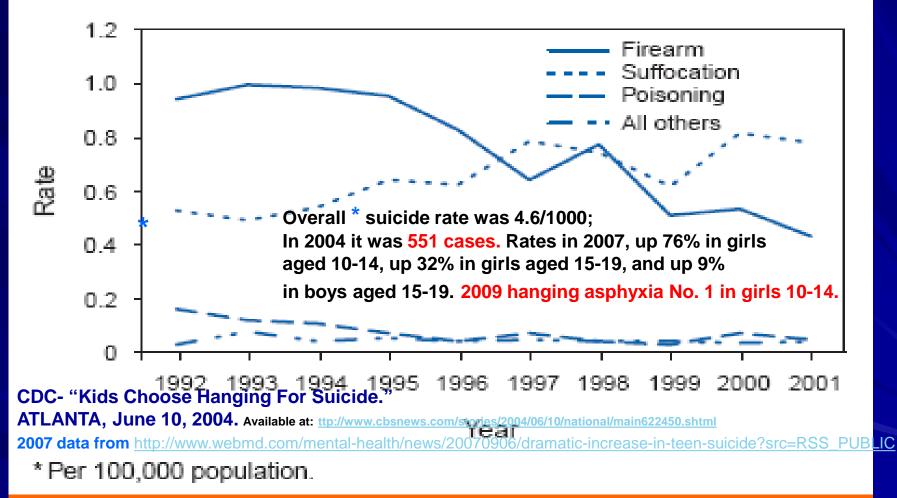
12 y.o. male admitted to the PICU with asphyxia after 'playing a game' with sibling with a chain-linked dog leash, sister (8 y.o) left for a drink, returned to find brother 'slumped over' with chain tight around neck, cyanotic, and pulseless. 911 activated, in PICU for 2 days, life support DC'd after determination of anoxic encephalopathy and brain dead status. Coroner called the case "suicide", discussions revealed that children had played the 'hangman' game multiple times in past.

Prevalence of death by 'suffocation':

Medscape®

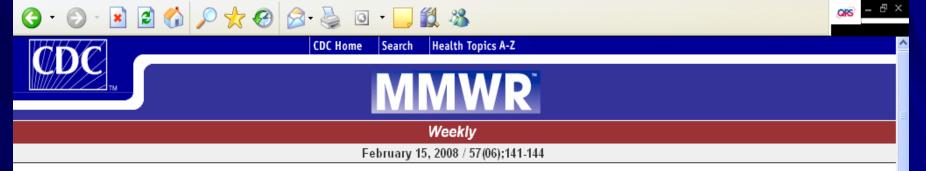
www.medscape.com

FIGURE 1. Annual suicide rates* among persons aged 10–14 years, by year and method — United States, 1992–2001



Source: MMWR © 2004 Centers for Disease Control and Prevention (CDC)

MMWR (06/22/04). Methods of Suicide Among Persons Aged 10 -19 Years – United States, 1992-2001 Available at: <u>http://www.medscape.com/viewarticle/481263</u>



Feb. 15, 2008 CDC MMWR 57(06);141-144 Unintentional Strangulation Deaths from the "Choking Game" Among Youths Aged 6--19 Years --- United States, 1995--2007

The "choking game" is defined as self-strangulation or strangulation by another person with the hands or a noose to achieve a brief euphoric state caused by cerebral hypoxia. Participants in this activity typically are youths (1). Serious neurologic injury or death can result if strangulation is prolonged. In recent years, news media reports have described numerous deaths among youths attributed to the choking game. Because no traditional public health dataset collects mortality data on this practice, CDC used news media reports to estimate the incidence of deaths from the choking game. This report describes the results of that analysis, which identified 82 probable choking-game deaths among youths aged 6--19 years, during 1995--2007. Seventy-one (86.6%) of the decedents were male, and the mean age was 13.3 years. Parents, educators, and health-care providers should become familiar with warning signs that youths are playing the choking game (2).

Death certificates lack the detail necessary to distinguish choking-game deaths from other unintentional strangulation deaths. Therefore, CDC identified probable choking-game deaths from 1) a LexisNexis* search in November 2007 of newspaper reports since the 1970s and 2) reports on two choking-game--awareness websites,[†] which were created in 2005 and 2006. Deaths of children listed on the two websites but not matched by LexisNexis newspaper reports were included in the assessment only if subsequent Internet searches located news media reports (e.g., from television stations) of the incidents confirming that the deaths met the case definition. For consistency, case characteristics were obtained only from news media reports.

A case was defined as a death, described in a news report, resulting from self-strangulation or strangulation by another person as part of an activity with elements of the choking game (also known as the "blackout game," "pass-out game," "scarf game," "space monkey," and by other names). Deaths were excluded if reports included any mention of autoerotic asphyxiation, a practice of choking oneself during sexual stimulation that is usually engaged in by teen-aged or adult males (1). Deaths also were excluded if reports noted that the medical examiner ruled the death was a suicide or of undetermined intent coupled with no mention of elements of the choking game, or if the age of the decedent was missing from news reports. Cases were restricted to youths aged <20 years who were residents of the United States. Following are two examples of cases of choking-game deaths.

Case 1. In February 2006, an adolescent boy aged 13 years came home from school in a good mood and had dinner with his family. He then went to his bedroom to do his homework. Approximately 1 hour later, his mother went to check on him and discovered him slumped in a corner with a belt around his neck. His face was blue. The mother began cardiopulmonary resuscitation while one of the other children called an ambulance. The boy died at a local hospital 1 hour later. No suicide

🙆 Done

🥝 Internet

The Choking Game: Physician Perspectives Pediatrics 125,1;82-87 (2009). Julie L. McClave, MD^a, Patricia J. Russell, MD^b, Anne Lyren, MD, MSc^{c,d},

Mary Ann O'Riordan, MS^e, Nancy E. Bass, MD^e

+ Author Affiliations

ABSTRACT

OBJECTIVE: The goal was to assess awareness of the choking game among physicians who care for adolescents and to explore their opinions regarding its inclusion in anticipatory guidance.

METHODS: We surveyed 865 pediatricians and family practitioners. The survey was designed to assess physicians' awareness of the choking game and its warning signs, the suspected prevalence of patients' participation in the activity, and the willingness of physicians to include the choking game in adolescent anticipatory guidance. Information on the general use of anticipatory guidance also was collected.

RESULTS: The survey was completed by 163 physicians (response rate: 21.8%). One-hundred eleven (68.1%) had heard of the choking game, 68 of them (61.3%) through sources in the popular media. General pediatricians were significantly more likely to report being aware of the choking game than were family practitioners or pediatric subspecialists (P = .004). Of physicians who were aware of the choking game, 75.7% identified \geq 1 warning sign and 52.3% identified \geq 3. Only 7.6% of physicians who were aware of the choking game reported that they cared for a patient they suspected was participating in the activity, and 2 (1.9%) reported that they include the choking game in anticipatory guidance for adolescents. However, 64.9% of all respondents agreed that the choking game should be included in anticipatory guidance.

CONCLUSIONS: Close to one third of physicians surveyed were unaware of the choking game, a potentially life-threatening activity practiced by adolescents. Despite acknowledging that the choking game should be included in adolescent anticipatory guidance few physicians reported actually discussing it. To

mis Arucie

Published online December 14, 2009 PEDIATRICS Vol. 125 No. 1 January 1, 2010 pp. 82 -87 (doi: 10.1542/peds.2009-1287)

- Abstract
- Full Text
- Full Text (PDF)
- Article Type
- Article
- Services
- Email this article to a friend
- . Alert me when this article is cited
- Alert me if a correction is posted
- Alert me when eletters are published
- Similar articles in this journal
- Similar articles in PubMed
- Add to My File Cabinet
- Download to citation manager
- Request Permissions
- eLetters
- No eLetters published
- + Citing Articles
- + Google Scholar
- + PubMed
- + Related Content
- + Social Bookmarking

MY PEDIATRICS

Log In Subscribe/Renew Manage My Account File Cabinet RSS Feeds eAlerts New Features



"Different chokes for different folks..."
1. Asphyxial games, (AG) our focus today.
The Choking Game.
2. Hypoxic Hypoxemia Agents – 'Huffing'
'Dust-off', aerosol propellants, gasoline fumes, glue, etc. (12.4% of HS students tried to 'get high'

inhaling agents). Youth Risk Behavior Surveillance ---- United States, 2005 Available at: http://www.cdc.gov/mmwr/preview/mmwrhtml/ss5505a1.htm

- Helium and / or N₂0?

Ogden RD; Wooten RH. Asphyxial suicide with helium and a plastic bag. <u>Am J Forensic Med Pathol</u> <u>2002; 23(3):234-7</u> Department of Criminology, Kwantlen University College, British Columbia, Canada.

3. Dangerous 'approved' games...

- Drinking games, ETOH overdose.
- Chubby bunny. Available at:

http://cbs2chicago.com/topstories/local_story_153111701.html 12 yo Casey Fish

http://lfpress.ca/newsstand/News/Local/2006/09/15/1842947-sun.html 32yo Janet Rudd

http://cnews.canoe.ca/CNEWS/WeirdNews/2006/09/14/pf-1839411.html 32yo Janet Rudd



'CHUBBY BUNNY'

Any activity that risks airway obstruction.



THE STORIES

PARADISE PUSI

Serving Paradise, California, since 1945 www.paradisepost.com

Fifty Cents (Home dolivery 26¢ per issue)

Sarah Pacatte: Still loving Gabriel

Ro Jandary, Waladi Amer Misson

Lesday, January 3, 2006

The loss of a shift is a parents sector nightmark. Paradise needed Spath Paratte understands that toos, which to norm motivated her to taken other corrects about the damper of the Choosing Caste. Her underst every her token her from the local papers to against helf closes and news programs. Any crassific and heres for drawing notives amendion in a disafby because guarding in only. The Fost close her as 2005's Newtonaker of the Theor.

"Marine" Hers colled oprimitive a beat bring in Sorich Pacestra's Flarind see living room. Though Pacestie is fright moved by shakes, the young ball python has a place of honor in the apartment — he code belonged to Pacester's Dynamical son, Cabriel Workerst, into diad in May after annualing in self-apply station for a "burg."

"Next he kindy analys," Pocsille, who

Part of the problem in dealing with soft applyzintion, she said, is the lack of predily available information.

"The most sheeking tring about this for me is that I'm 42 years ald and I night's see this loss coming," she said. "Cosmon cense tells you that lack of oxygen will kill you ... (bit) I seeser know a person could become address to the rush."

Parentie said medical authorities have told for the endorphin rush from the blood retarming to the best in recerching a morphing high, and prople can become addicted.

At first, she said. "there was "tanything to find out. All I was floiting out was things on autoerotic replysisition."

Big which she ponched in "hypervanifiation game" — the varue used by children of her generation — the found the story of a young man's deach in flexing. After that, Pacalite could not sing instring.

She daid the signs parents should

changes in a child's bahavian.

Taca, is and Gabriel's tests brother, Saroach, have appeared on five televiaton shows and in several print arthries talking about self-aspitystation, also known as Space Monkey of Chaking Game She itse also worked with a palloc officer to develog a ProverPoint presentation deterring kins from playing these games.

Facanto and Ginning can be strawful, but it's worth the arcsisty.

"I think the most exhausting part of it is worrying about Samuel, because of how much energy it does take," size said. "And because I get, about getting ready for it."

Who indeed it hardly taken only inequiration now, she knows the atory so well: "For me the a relief to net it bot, because Statica three distiaince Gabriel that are documented."

Through site noted on assignally day moving will present interformers or indepicte — source inter reports stated Sampei frond his huifter dead. Pacatte's appartance has been post-

10 stories from the Ridge in 2005



MON BASEL/THE FUST

The tragic loss of Serah Paceta's son: Cebriel Mordecol, sut the Perodole mother in regional news, wanting egainst the dangerous Choking Game.

said of the coverage. "Some it-ines are edited out, of course thatk God -- but no, the media has been impecifily kind." New the family is strongling to recover from being Galaxie. Some mays are better thim others for

See PACATTE, page A-F

The usual outcome is a preventable death "bett throught" the

The 8th Day Foundation: On August 8th, 2005, our precious daughter. Kimberly "Kimber" Ruth Wilson, decided to participate in become popular with some of her friends. This activity in device; attaching it to a stable object and using it to cho passed out. Unfortunately, she decided to do this alone Because there was no one with her to revive her if s she died that evening. She was 15 years old. The co was "playing" (a game) called the "choking game". completely by surprise. We had no idea what the choking game was or why anyone would participate in the activity.

iture

ong,

she

Idaho Boy Dies in Apparent Choking Game by REBECCA BOONE, Associated Press Writer BOISE, Idaho - A 10-year-old boy who died after hanging himself from a tree is apparently the second Idaho youth killed while playing a choking game. The Fremont County sheriff's office said Dalton Eby apparently was playing a game known as the "pass-out game," trying to cut off the oxygen supply to his brain to achieve a type of "high." Dalton was found with the rope looped around his neck," the sheriff's office said. "There was no sign of a struggle, nor was there any physical evidence to indicate anyone else had been at the scene." Three months ago 13-year-old Chelsea Dunn was found dead after apparently hanging herself in her closet. Serving Paradisc, California, since 1945

Tuesday, May 10, 2005

www.perverisepost.com

Fifty Cents (Home: delivery 26¢ per iss

Blacking out: 'It's like a dream world'



Local mother confronts a dangerous practice through her son's death

BY NEE, H. DENNEY South Pharma

Apply sintices.

The rull comes from blacking out, from cuttley off the oxygen slippily long enough to make your self pass out. And kills go about adding three a manifer of mays.

Semolimus they do if by hyperventualities, somethings there push a mortuin apol an their necks; semutinos they put a plastic long over their heads in choke themarbers as they musturbatic

When Sorah Proates 13 year old son Cabriel choised himself lpst Thirrelay in her Portidist home-be last a length of rogs. Paratite was obsendery in the inner, second p Cabriel was stall doing

his laundry or spread out on his beel fittishing up homework, Whenshe hearst Gaurial's twin brother Samuel servening from nerois the opertment, abe came rouning.

After making himsel" pass out. Gabriel had tallen off the had and choised to death no the rope.

Il wasn't the first time Cabriel had choked himself. Though ha usas a smart child who received honors placement at school in both English and mathematics and methic have produced from eighth grude in just two weeks. Parentic cond Unbriel was a bit "chifferent, "always on the edge" and she'd caught him and his twin brether Samuel choking themseives boinni.

torunce I sound out what th were doing," she said, address if both children had promised stop. Focalle said she also spot with througs and Samily about i Fhint's when she became aspare the previously mentioned led mignes kids use to black out an litat "so many kids are doing win he did.

"Parents are cholosa" ato said Parmits and this seaciment w supported when a vespondin Paradier police officer. mame she has mester . todd the this was the sixth report thus was the sixth report a recongers intentionally choking themselves he had heard of Permitian

When I listen that, I thought sits of these in Paradise?" Parati sprint.

Paradise Police Sgt. Chr. See GABRIEL page A-7

"I fust already warned him

TAT INT.

6116

Ridge girl sings at Carnegie

IN TELEOR WASKED CALL BURNES

to the old seging pres, it takes mustice, practice, practice to get tax net give F4 to bl

As a dad, Campbell acknow adged he might he hearing in come home from school I would Takies daughuer's voice Erringh aluging. walland up the drive their children sound great." and, but he still throught she ha

Acronyms and statements regarding asphyxial games...

The Fainting Game, Airplaning, American dream game, Black out game, Breath Play, California Blackout, California Choke, California Dreaming, California High, Choke Out, Dream game, Dreaming game, Flatline game, Flat liner, Flatliner game, Funky Chicken, Hangman, Hyperventilation game, Knockout game, Pass-out game, Passing out game, Natural high, Sleeper Hold, Space cowboy, Space monkey, Suffocation game, Suffocation roulette, TAP OUT, Purple Monkey, Teen choking game, Rising sun, High riser, and Tingling game (Wikipedia, 2007).

3

6

8

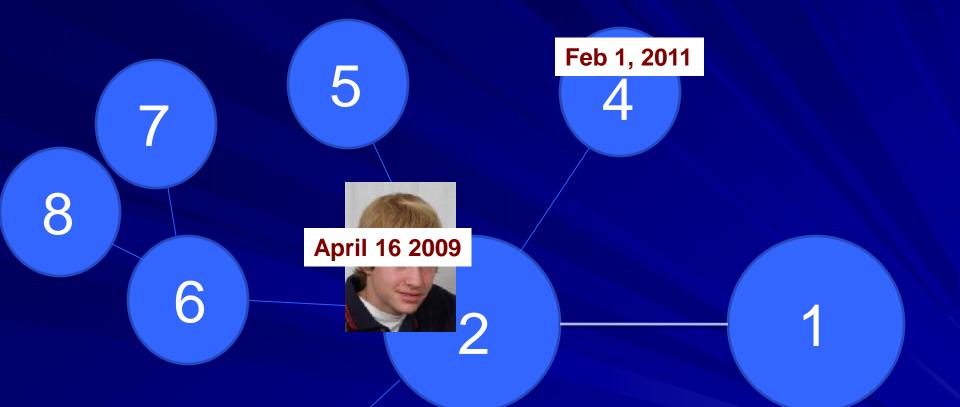
5

The mentor....

2

in every instance there is someone who initiates or teaches others how to play "the game" ... in our research we want to find out who is playing these 'games' and who is teaching whom.

Case study: Johnson City, TN Upper East region





The mentor....

in every instance there is someone who initiates or teaches others how to play "the game" or 1st in a line of potential victims... at one high school, a teacher who had been trained found students with ligature marks, reported them to administration / healthcare.

WHY?

Media influence / references to choking / Movies: C FLATLINER "Killing Me Softly."

Books: HAUNTED and CHOKE Video games? SONG LYRICS

"Coming Undone" (paraphrased) **Keep holding on** When my brain's tickin' like a bomb Guess the black thoughts have come Again to get me Wait.... I'm starting to suffocate And soon I anticipate Choke choke again I thought my demons were my friends Getting me in the end They're out to get me Since I was young I'm trying to hold it together Head is lighter than a feather Looks like I'm not getting better Not getting better [Chorus] by KORN

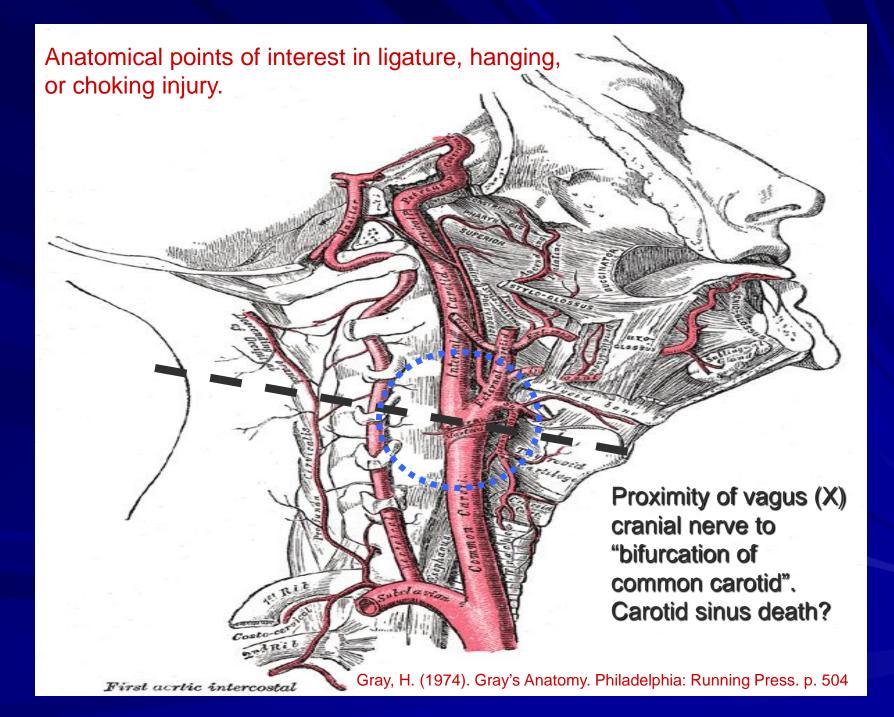
'Teen Choking Game Has Fatal Consequences' By EMILY FRIEDMAN. June 28, 2006 — Michele Mansfield didn't think twice when her 16-yearold son, Nick, asked to borrow a belt....

"Hannibal Rising."



http://abcnews.go.com/Health/story?id=2106272&page=1&CMP=OT

HOW ?







Hyperventilation with a breathhold, the Valsalva maneuver... note the fall taken by the 'player' when they are not restrained by the 'spotter.'

Choking Game

Mechanisms of injury, *no* **ligature**:

A. Hyperventilation and carotid pressure (at carotid body baroreceptors) causes cerebral vasoconstriction, diminished blood flow, cerebral hypoxemia. May have a myocardial response. Release of vessels 'rushes' blood to brain, increases ICP.

B.

B. Choking and carotid pressure using hands or a ligature to diminish blood flow and air movement. Essentially strangulation, combined with pressure on carotids.



Carotid arterial constriction; note position of 'mentor' or 'spotter's' thumbs.



Frequent players of choking games have encouraged other players to adopt a 'safe' technique where the person playing 'TapOut' will employ a 'spotter'....you hold the spotters wrist...when the 'player' goes limp or the grip is lost the 'spotter' stops choking. A cursory review of the expert and peer-reviewed literature reveals that there is NO safe technique!

Survivor of the choking game

2:24 / 5:5



videos channels community

VORS-THE CHOKING GAME

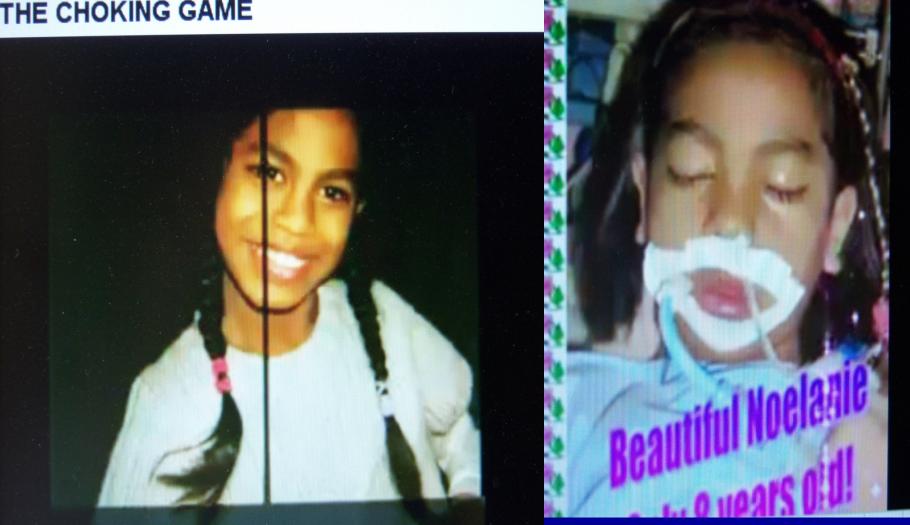


Tragic outcome of asphyxial game

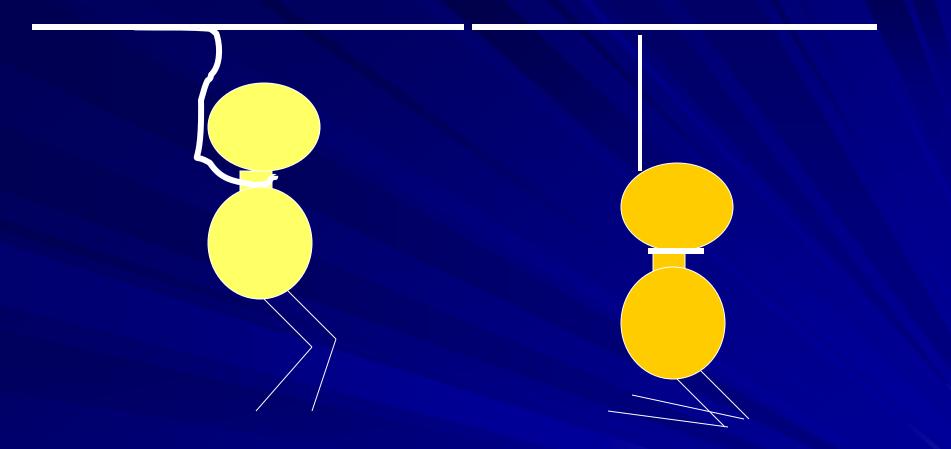


One of hundreds of videos on You Tube.

THE CHOKING GAME



Bullying or peer pressure may be the cause of this 8 year-olds death



Mechanism of injury with a ligature....

Ligature is loose, participant leans into the belt or cord, planning to 'loosen' the noose and get the 'rush' from blood returning to carotids BEFORE they pass out. Unfortunately, when 'playing' alone, loss of consciousness, and death, are common.

IS THERE A RELATIONSHIP TO ASPHYXIOPHILIA (Auto-erotic asphyxia or AEA) **SEX BY DEATH?**

Asphyxial Games in Children and Adolescents

Thomas A. Andrew, MD, and Kim K. Fallon, BS

Abstract: Asphynial games, as played by young addlescents, and going by various names, are not new phenomena. What seems to be different at present is an increase in lethality introduced by the increasing use of ligatures and "playing" the game alone. The authors present a properly certified but insufficiently appreciated case followed 2 years here by 2 closely spaced but unrelated deaths in young addrescent males that made known this practice in New Hampshire youth. Other cases presented to the author from other jurisdictions are reviewed in aggregate. Presented are characteristics of victims of this practice that may help distinguish these deaths from suicidal asphyxia. A relative paucity of literature regarding asphyxial games outside the realm of autoerotic asphyxia gives rise to certification difficulties given the high prevalence of youth suicide.

Key Words: asphyxial games, hanging, youth suicide, manner of death

(Am J Forensic Med Pathol 2007;28: 303-307)

Asphyxial games among children and young adolescents have been played for generations. Readers of this report may well remember games of their own youth when one child applied pressure to the neck, chest, or abdomen of another until the latter child felt woozy or lightheaded whereupon the pressure would be released. This activity rarely, if ever, resulted in documented fatalities. Recently, there has been a great deal of media attention directed at fatalities and alleged brain damage related to what has been dubbed "the choking game,"^{1–8} with many articles reporting this as a "new trend" in youth high-risk behaviors.^{9–12} The following case reports and the author's experience since these 3 cases suggest that rather than a new trend, this activity simply represents a new face on an old game, albeit one with potentially lethal

CASE 1

A 9-year-old male was found by his mother with a thin rope looped twice about his neck, suspended from a bedpost. Emergency medical services were summoned and the child was transported to the local emergency department, then

Manuscript reserved April 1, 2006, accepted April 26, 2006. From the Office of Chief Medical Examiner, Concord, New Hampshire. Reprints: Thomas A. Andrew, MD, Chief Medical Examiner, 246 Pleasant Street, Suite 218, Concord, NH 03301. E-mil: thomasandrew@dej.nh.gov. Copyright © 2007 by Lippincott Williams & Wilkins ISSN: 0195-791007/2804-0303 DOI: 10.1097/PAF.06013e-2181484bdt2 airlifted to a regional trauma center. His initial Glasgow Coma Scale was 3. There was a ligature mark over the thyroid cartilage, and petechiae noted of the face and eyelids. He was declared brain dead 26 hours after admission. At autopsy there was a 1/4-inch ligature mark, sloping gently upward and left toward the occipital notch. There was no hemorrhage of strap muscles and no injury of cartilage or hyoid bone. Florid facial petechiae were evident; however there were no conjunctival petechiae, consistent with what has been reported in the literature regarding these types of hangings.¹³ Neuropathologic examination revealed cerebral edema with flattened gyri, narrowed sulci, uncal grooving and hemiation of the cerebellar tonsils. There was also an incidental, patchy, acute bronchopneumonia.

Further investigation by police revealed a moderately chaotic social situation with divorced parents and the deceased and his 7-year-old female sibling living with their mother and her fiancé. The children had been sent to their room the day in question for jumping on a couch. The female sibling describes the deceased as playing with the rope about his neck on this and on previous occasions. The cause of death was certified as hanging and the mamner as accident.

CASE 2

Two years after case number 1, a 13-year-old male was found in the basement of his home in a kneeling position with a 1-inch-wide nylon dog leash looped about his neck. Also at the scene were a set of weightlifting barbells and a broken plywood board. (Fig. 1) The deceased had had an argument with his mother the previous evening, left the house but returned, and all seemed well at bedtime. There had been no history of behavioral disturbances, school failure, substance abuse, or police contact. At autopsy there was a 3/4- to 1-inch-wide ligature mark directly over the laryngeal cartilage, sloping gently upward bilaterally to the occipital notch. There was no hemorrhage of strap muscles and no injury of underlying cartilage or hyoid bone. Facial petechiae were quite numerous but conjunctival petechiae were sparse. The tongue had been bitten. Elsewhere on the body, there were pressure marks on the knees and abrasions of the feet consistent with position in which the body was found. A blood alcohol concentration of 24 mg/dL was detected, and there were no other toxicologic findings of note. The cause of death was certified as hanging and the manner as suicide.

After this ruling, the mother of the deceased contacted the medical examiner to discuss her concerns regarding the circumstances of her child's death. She sent a package of information to the Office of Chief Medical Examiner

The American Journal of Forensic Medicine and Pathology • Volume 28, Number 4, December 2007

303

Copyright © Lippincott Williams & Wilkins. Unauthorized reproduction of this article is prohibited.

2007DecAsphyxialGames



Figure 1. A view of the deceased as found hanging by a towrope controlled voluntarily by a shower apparatus at the kitchen. His undershirt was bounded as a brassiere over his nipples and underpants was slipped on his head.



Figure 2. The polished toenails

Sex by death...an asphyxiophilic link?

"Choking games are not AEA...."

This case study revealed an elaborate noose and release mechanism that failed. In many cases of AEA or asphyxiophilia using a ligature device, the feet are flat on the floor.

Available at : JPMA

The choking games are not asphyxiophilic activity or autoerotic asphyxiation (AEA). While the late demographics may mimic age / gender, missing are the important details. See <u>Hucker</u> on this important topic.

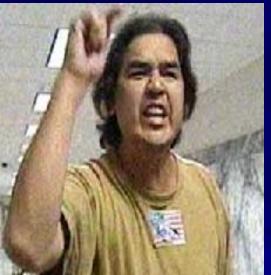
WHO?

Approximated sociodemographics:

- Wide distribution in states, focus **OH**, **PA**, **CA**, **FL**, **TX**.
- Difficult in some cases to rule out suicide.
- May have common community; i.e., Tacoma, WA.
- ✤ A game of adolescents (7-14 years old).
- Few adult participants possibly more than we know.
- No identified racial propensity.
- ✤ 3:1 ratio Male:female, primary male gender all ages.
- Indicator is 'high risk' behavior, typical adolescents.
- NOT auto-erotic asphyxia (AEA) or suicide.
- Missing are the 'paraphernalia' associated with AEA.
- Missing forensic details associated with self-harm.
- Raises issues with death certificate, 'cause of death' statistics; redemption of insurance policy.
- Adult cases may be more prevalent than we now know.

"Tempers flare after sentencing for choking death."

King 5 news Seattle WA. Available at: http://www.king5.com/localnews/stories/NW_081106WABchokingsentenceEL.6fe77c3.html

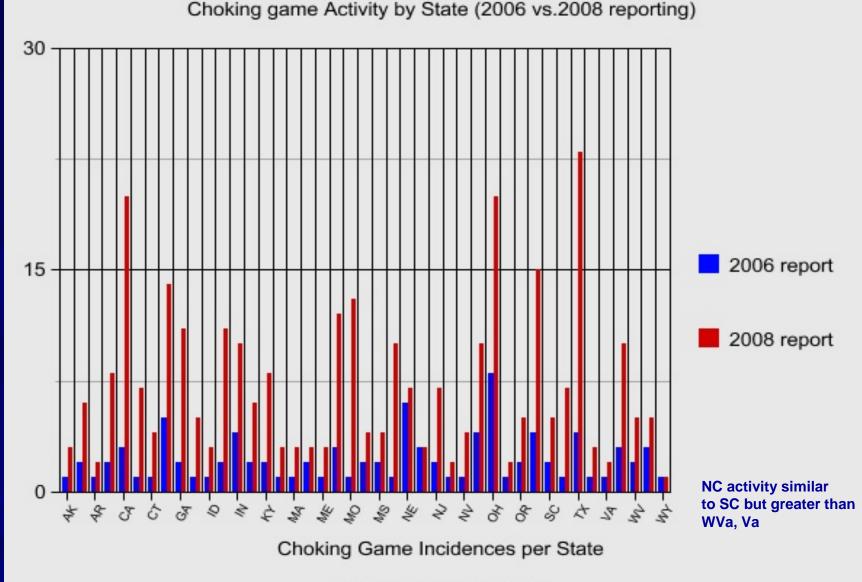




SEATTLE - Fists flew in a Seattle courtroom after a man heard his fate in a choking game death. In fact, two separate incidents erupted after the man responsible for applying the deadly grip was sentenced to just 30 days for assault. ...Twenty-six-year-old Robert Burke of Kirkland choked his friend Donnie Cole, 29, to death eight months ago. They had been drinking and were playing "tap out," a dangerous game in which players choke each other to unconsciousness. The judge sentenced Burke to just 30 days in jail for assault, the most serious charge prosecutors said they could bring because both men voluntarily played the game. "I'm not going to let my son rot in a grave while he's out running around drinking, doing drugs. He's not going to get away with it," said Marilyn Cole, mother of the victim. Cole's family demanded an apology from Burke and got it. "I'm really sorry, I think of him everyday," Burke said. "There's not a day I don't think about it."

WHERE ?

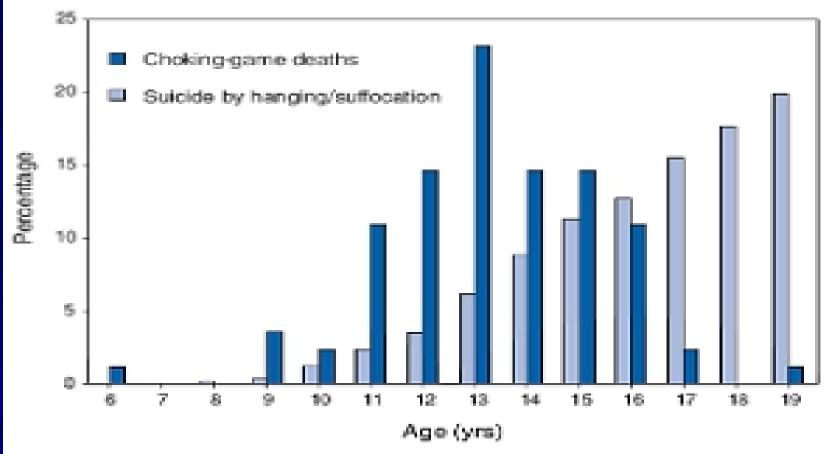




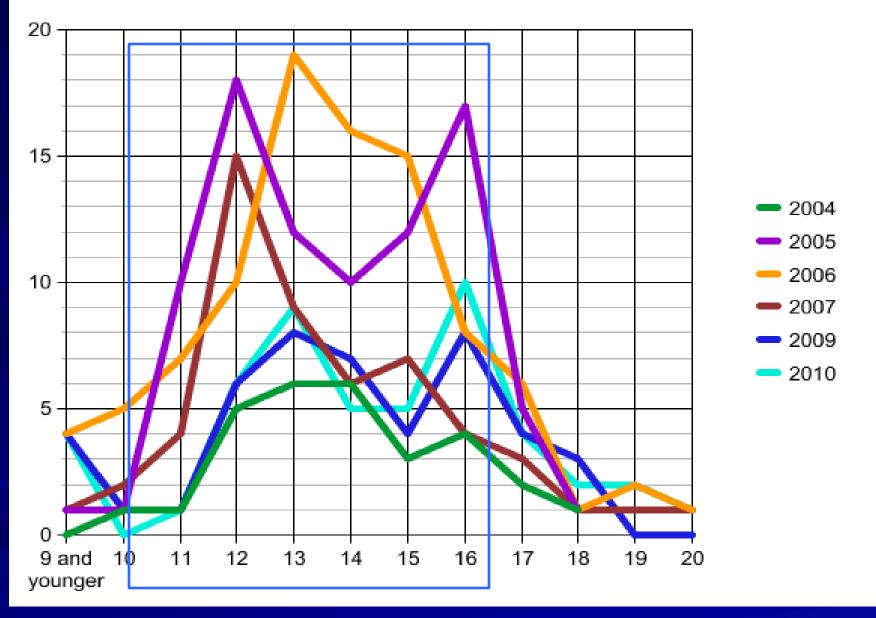
www.ChokingGame.net

Southeast is now in top 10 states reporting injury/fatality; 12 cases, 25% female

FIGURE. Age distribution of youths aged 6–19 years whose deaths were attributed to the "choking game" (n = 82) during 1995–2007, compared with youths whose deaths were attributed to suicide by hanging/suffocation (n = 5,101) during 1999–2005 — United States

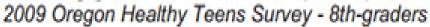


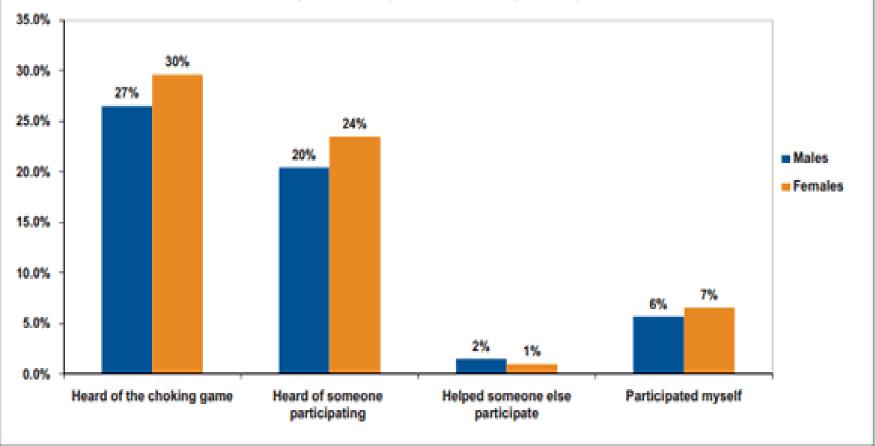
SOURCES: Choking-game deaths, news media reports; suicide by hanging/suffocation, National Vital Statistics System. U.S. Choking Game Fatality Incidents Yearly



Reflects the reported incidence 2004 – 2010, may be artificially low numbers

Choking game awareness and participation





2009 self-report data from 8th grade students in Oregon; most likely to know were males rural, white, prone to high-risk behavior. A rising trend is female involvement.

Weekly / Vol. 59 / No. 1

Morbidity and Mortality Weekly Report

January 15, 2010

"Choking Game" Awareness and Participation Among 8th Graders — Oregon, 2008

The "choking game" is an activity in which persons strangulate themselves to achieve euphoria through brief hypoxia (1). It is differentiated from autoerotic asphyxiation (2,3). The activity can cause long-term disability and death among youths (4). In 2008, CDC reported 82 deaths attributed to the choking game and other strangulation activities during the period 1995-2007; most victims were adolescent males aged 11-16 years (4). To assess the awareness and prevalence of this behavior among 8th graders in Oregon, the Oregon Public Health Division added a question to the 2008 Oregon Healthy Teens survey concerning familiarity with and participation in this activity. This report describes the results of that survey, which indicated that 36.2% of 8th-grade respondents had heard of the choking game, 30.4% had heard of someone participating, and 5.7% had participated themselves. Youths in rural areas were significantly more likely (6.7%) to have participated than youths in urban areas (4.9%). Choking game participation was higher among 8th graders who reported mental health risk factors (4.0%), substance use (7.9%), or both (15.8%), compared with those who reported neither (1.7%). Public health surveillance of these strangulation activities among youths should be expanded to better quantify the risks and understand the motives and circumstances surrounding participation. Parents, educators, counselors, and others who work with youths should be aware of strangulation activities and their serious health effects; they should watch for signs of participation in strangulation activities, especially among youths with suspected substance use or

Centers for Disease Control and Prevention

mental health risk factors.

The Oregon Healthy Teens survey, an annual populationbased anonymous survey* of 8th and 11th graders[†] designed to monitor and measure adolescent health and well-being, is

based on the CDC's Youth Risk Behavior Survey (YRBS) and includes questions on physical and mental health, sexual activity, substance use, physical activity/nutrition, and community characteristics. In 2008, all 647 Oregon public middle and high schools were part of the sampling frame, which was stratified into eight regions. Schools were sampled randomly from within each region, with a total of 114 schools being sampled. The data were weighted to achieve a statewide representative sample. Weighting was based on the probability of school and student selection, and a post-stratification adjustment for county participation. Schools use an active notification/passive consent model with parents, who may decline their child's participation. In 2008, the survey contained a total of 188 questions, which were designed to be completed in the course of a class period. Overall, 77.0% of sampled schools agreed to administer the survey, and 83.7% of the 8th graders in those schools participated. In 2008, a single question about the choking game was added to the 8th-grade survey. Students were asked whether they had ever heard of the choking game, had heard of some-

Recommended Adult Immunization Schedule — United States, 2010

INSIDE

6 Outbreak of Adenovirus 14 Respiratory Illness — Prince of Wales Island, Alaska, 2008

Cases of the 'choking game' reported in US. Dr. Andrews believes there are > 200 cases a year. 0 1000MТ ND ME NH³ OR 3 ΜN 1 WI 3 D SD STM 2 1 5 2 WY MI RI 1A 3 2 PA NΕ IJ 5 NV <u>OH</u> 4 DE UT IN 00 3 Da 8 2 ĴΑ, КS 3 DC MO 13 KY 6 NC 6 tn 4 OK AZ 5 AR NM sca МS AL 2 LA TΧ AK 9 F HI US phenomenon, rare **except** in Western Europe / Aus / NZ / Africa. uerto Rico * Posited that 33% of ligature 'suicides' may be 'choking game' related.

PER-REVIEWED and SURVEY RESEARCH

A Survey was given to 1000 schoolchildren, 500 boys and 500 girls ages 10-14 to assess their knowledge and participation the "Choking Game". Of the boys surveyed: - 53% admitted to playing the game. Of those who had played: - 86% admitted to playing at least 2x/week. - 64% admitted to having played alone. When asked where they had learned of the game and where they played: church, camp, scouts, sports....the number one answer for both the boys and girls was "at school".

Available at: http://www.dvlan-the-boy-blake.com/index.html

Peer-reviewed medical references on asphyxial games (AG) and outcomes...

Choking Game

1. Le D; Macnab AJ. "Self strangulation by hanging from cloth towel dispensers in Canadian schools." Inj Prev. 2001; 7(3):231-3 Department of Pediatrics, University of British Columbia, Vancouver, Canada. http://www.medscape.com/medine/abstract/12548272?queryText=choking%? RESULTS: There were four deaths, and one near-death, all males age 7 to 12. Two cases were attributed to a "choking game" that provides a sensation (impending loss of consciousness) described as "cool". In three cases, the child was alone at the time. All deaths were due to strangulation from hanging and all occurred in school washrooms. One child (playing with two friends) recovered after admission to an intensive care unit.

2. Shlamovitz GZ; Assia A; Ben-Sira L; Rachmel A. "Suffocation roulette": a case of recurrent syncope in an adolescent boy." <u>Ann Emerg Med. 2003; 41(2):223-6</u> http://www.telecomassociation.com/pubs/chokinggamereport/files/suffocation_roulette1.pdf Department of Pediatrics, Dana Children's Hospital, Tel Aviv Sourasky Medical Center, Ramat Aviv, Israel. Available at: http://www.medscape.com/medline/abstract/11565991?queryText=choking%20games

3. Byard RW; Williams D; James RA; Gilbert JD. "Diagnostic issues in unusual asphyxial deaths." J Clin Forensic Med. 2001; 8(4):214-7 Forensic ScienceCtr Adelaide, SA

4. Sauvageau A; Racette S. "Autoerotic deaths in the literature from 1954 to 2004: a review." J Forensic Sci. 2006; 51(1):140-6 Laboratoire de Sciences Judiciaires et de Médecine Légale, Edifice Wilfrid-Derome, Montreal, Quebec, Canada H2K 3S7.

Peer-reviewed medical references on asphyxial games (AG) and outcomes...



5. Thomas A. Andrew, MD, FCAP, FAAP* on '20/20' asphyxial games...this isn't suicide or autoerotic asphyxia." at: http://abcnews.go.com/2020/Health/story?id=989844
Andrew, T.A., & Fallon, K.K. Asphyxial games in Children and adolescents. Am J Forensic Med Pathol 2007;28: 303–307. 3 cases reviewed.Available at: http://www.charlydmiller.com/LIB13/2007Ded//or Child's Play", Available at: http://tweensandteensnews.com/archives/2006/jan/ChildPlay.php

6. Gainer and Mason "Traumatic Brain Injury (from the Choking Game)."in NeuroNotes. Available at: http://www.traumaticbraininjury.net/2005/12/choking-game-real-nightmare.html

- 7. Gicquel J. J., Bouhamida K. &, Dighiero P. [Ophthalmological complications of the asphyxiophilic "scarf game" in a 12-year-old child] <u>J Fr Ophtalmol</u>. 2004 Dec;27(10):1153-5.
- 8. Banks, S. "Sasha is Dead....But Why?" Chicago Daily news analysis of a case. <u>http://www.oddlotsirregulars.com/images/temp_file_choking.pdf</u>
- 9. Perlstein, S. (2003). Teens see asphyxial game as drug-free high. (Explain Dangers to our Young Patients). Family Practice News March 15, 2003

Available at: <u>http://www.telecomassociation.com/pubs/chokinggamereport/files/asphyxial_game0.pdf</u>

Dr. Andrew at: http://www.whitemountainforensic.com/contact.aspx

2008-2010 research on asphyxial games:

 Oregon Healthy Teens survey, an annual population-based anonymous survey* of 8th and 11th graders† designed to monitor and measure adolescent health and well-being, is based on the CDC's Youth Risk Behavior Survey (YRBS)

 Williams County Youth Safety Study, 2007: 357 youths aged 12–18 years in Williams County, Ohio. 11% of youth played the choking game, increasing to 14% of females and 19% of those over 17 years of age.

 Survey of 2,504 youths aged 9–18 years in Texas and Ontario, Canada.[9] Reported lifetime participation in strangulation activities was 11% in the Ohio study and 6.6% in the Texas/Canada study.

♦ 2008 Oregon Healthy Teens survey: 33% of 8th-grade students were aware of someone who participated in the choking game, 6% acknowledged trying it.

42% of Williams County youth talked to their best friend about personal problems, 35% talked to their parents, 19% talked to a girlfriend/boyfriend, 18% did not talk to anyone.
 11% talked to a brother/sister, 3% talked to their pastor/priest, 2% talked to their teacher, and 1% talked to their youth minister.

The 2008 survey included 10,642 respondents. Of these, 7,757 (73%) answered the choking game question. The mean age of respondents to this question was 13.7 years (standard deviation = 0.5). Those who did not answer this question were more likely to be male and nonwhite and more likely to report higher levels of sexual activity, substance use, and mental health risk factors. Among the respondents, 36.2% had heard of the choking game, and 30.4% had heard of someone participating in it. Additionally, 2.6% had helped someone participate, and 5.7% had ever participated themselves. A similar percentage of females reported participating compared with males (5.3% versus 6.1%, p = 0.13). Hispanic (7.7%) and American Indian/Alaska Native (7.6%) youths had the highest participation rates, followed by white (5.4%), black (4.5%), Native Hawaiian (3.4%), and Asian (2.8%) youths.¶ Youths living in rural areas had a significantly higher participation rate than those in urban areas (6.7% rural versus 4.9% urban, p = 0.01) (Table). Youths who participated in the choking game were significantly more likely to also report other unhealthy behaviors and mental health risk factors. In particular, youths who had used substances**

and also reported mental health risk factors

The 2008 survey included 10,642 respondents.

7,757 (73%) answered the choking game question.

Mean age of respondents to this question was 13.7 years (standard deviation = 0.5).

Those who did not answer this question were more likely to be male and nonwhite and more likely to report higher levels of sexual activity, substance use, and mental health risk factors.

Among the respondents, 36.2% had heard of the choking game, and 30.4% had heard of someone participating in it.

Additionally, 2.6% had helped someone participate, and 5.7% had never participated themselves. A similar percentage of females reported participating compared with males (5.3% versus 6.1%, p = 0.13).

Hispanic (7.7%) and American Indian/Alaska Native (7.6%) youths had the highest participation rates, followed by white (5.4%), black (4.5%), Native Hawaiian (3.4%), and Asian (2.8%) youths. Youths living in rural areas had a significantly higher participation rate than those in urban areas (6.7% rural versus 4.9% urban, p = 0.01) (Table). Youths who participated in the choking game were significantly more likely to also report other unhealthy behaviors and mental health risk factors. In particular, youths who had used substances and also reported mental health risk factors

* 'DEADLY GAMES CHILDREN PLAY'.COM POLL -

Is available at: http://www.deadlygameschildrenplay.com/en/contact-poll-stats.asp

Respondents, N = 623 people, primarily adolescents. Have you heard of the choking game? 75.0% said 'Yes' Did you know of the game by any other name? 35.3% said 'Yes' Do you know of someone that has played? 58.6% said 'Yes' Have you played? 25.4% said 'Yes' Do you still play? 6.3% said 'Yes' (39 people). Have you shown or told anyone how to play? 18.5% said 'Yes'

* 'DEADLY CHOKING GAME' Survey -

available at: http://forums.officer.com/forums/archive/index.php/t-36410.html

Discussion forum. All police or law enforcement related postings. Informal IM or 'chat' format, "Anyone have experiences with (choking games) such as deaths, or calls for assistance? N = 19 responses.

- 4 (21%) had responded to a case.
- 2 (50%) had been to fatal adult autoerotic asphyxia calls.
- 9 (47%) observed this behavior directly in friends, kids, and adults.
- 1 (5%) reported seeing this in training to be police officers.

* 18 Southeastern US university students - (observational, 2009)...
14/18 (78%) had 'knowledge' on asphyxial games and/or 'chubby bunny'.
9/18 (50%) had directly observed the choking game.

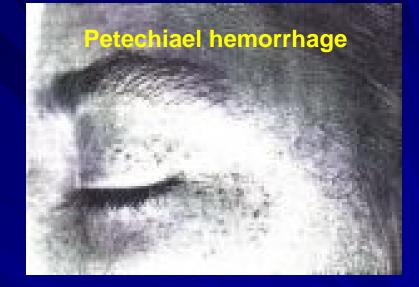




"Choking Game" Death?

- Signs and Symptoms, be on the look-out for:
- -Use of terminology, child/friends describing the 'games' -Reports of severe headaches;
- -Marks on the neck, wearing collars, turtleneck in Summer; -Bloodshot or red eyes;
- -Raspy breath or unusual hoarseness (VCD?);
- -Belts, bags, ties (ligatures) lying around the house;
- -Closed doors or an unusual need for privacy;
- -Belts, leashes, ropes, shoelaces tied in strange knots or in unusual locations; bent closet hooks, shower curtain bar.
- -Unexplained cuts or bruises from falling, thumps heard
 - from child's room from falling when they are alone;
- -Disorientation after spending time alone;
- -Locked bedroom doors.

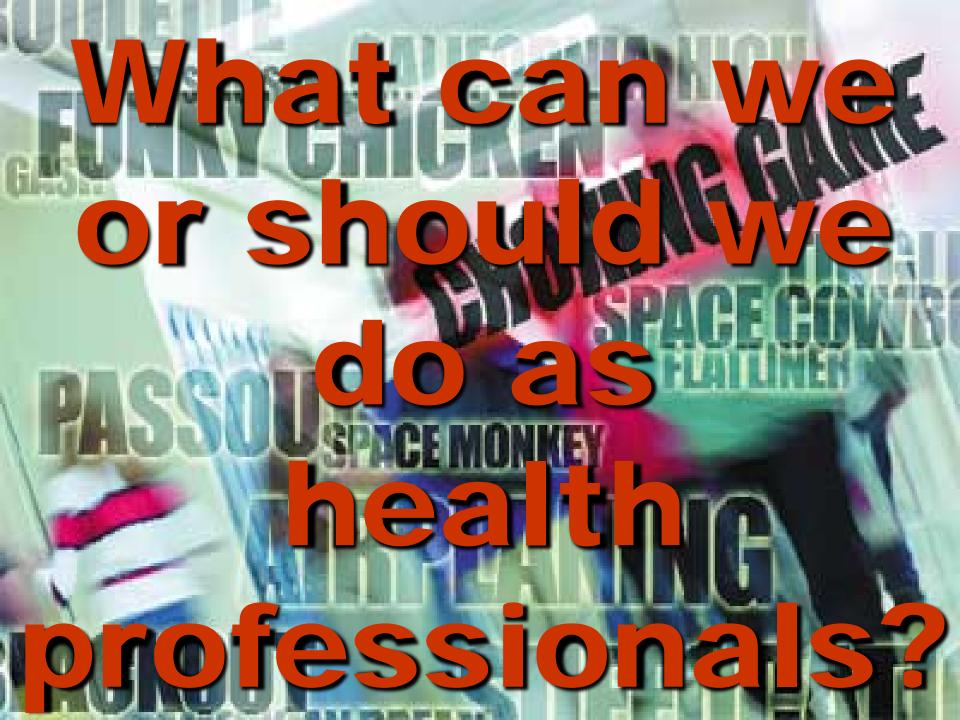




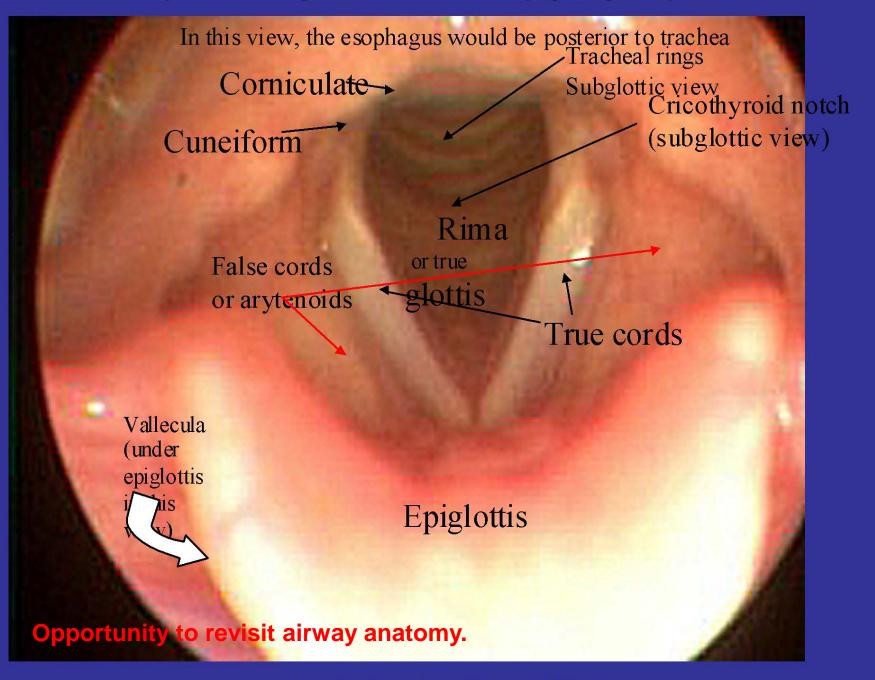
Some of the signs that indicate participation in asphyxial games







Normal cords... can you name the parts? Put down the laryngoscope 'til you can.



In this view the chin would be here

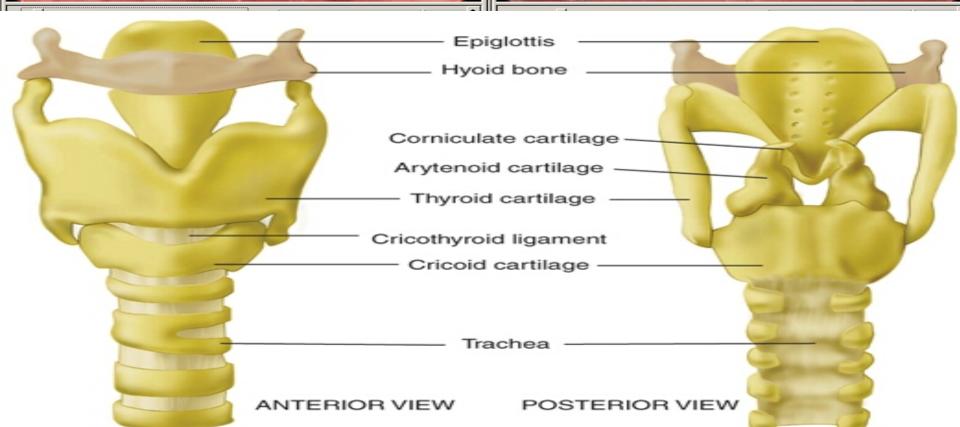
Know the normal structure and the mechanisms of injury from ligature.

_D× 🚳

R

Courtesy Dr. Chris McRae, ETSU CommDis

_ _









Mini-trach Ii

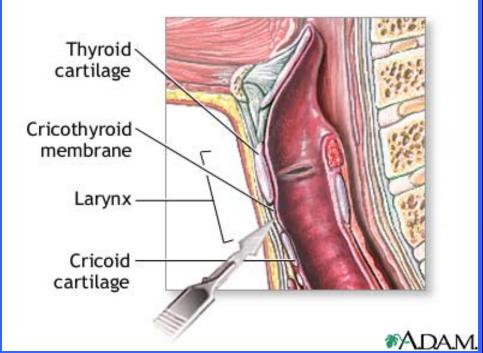


Cricothyrotomy laboratory



Cric insertion laboratory on a bovine trachea. Author is using a standard 10 gtt/ml IV tubing set and cut in middle of the drip chamber; he is inserting the spike end into the cricothyroid notch.

http://heds.org/dave.html

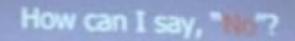


NuTrake in place



Concerns for those who may survive "The Choking Game": ✓ Neuro and C-spine injury. Asphyxial seizure / CVA. ✓ Damage to vocal cords or cartilaginous structures. ✓ Retinal vascular damage. ✓ Thyroid cartilage collapse / tear in trachea. ✓ Carotid vascular damage / aneurysm. \checkmark 'Trachea' damage during intubation / resuscitation. ✓ Consider availability and need for Nu-Trake® or emergency 'needle crich', Quik Trach[®], Mini, Nu-Trake® / jet ventilator / bagging and O2. Training opportunity, assess your staff's ability to insert cricothyroidotomy adjuncts. \checkmark Aspiration in the field, transport, or in the ED.

Preventing tragedy



 Use Humor- "No, I need all the brain cells I've got"

Walk Away- Leave if people ask you to do it. We a reason- "No, it's stupid and it can kill

During a prosentation on "The Glocking Game" by Upper Montiaul police Officer Scott Methods. Thus Alcott recounts how her Li-year-old sam, Kodee, deal from choicing. He is in the picture she bolds. The slide on the screen

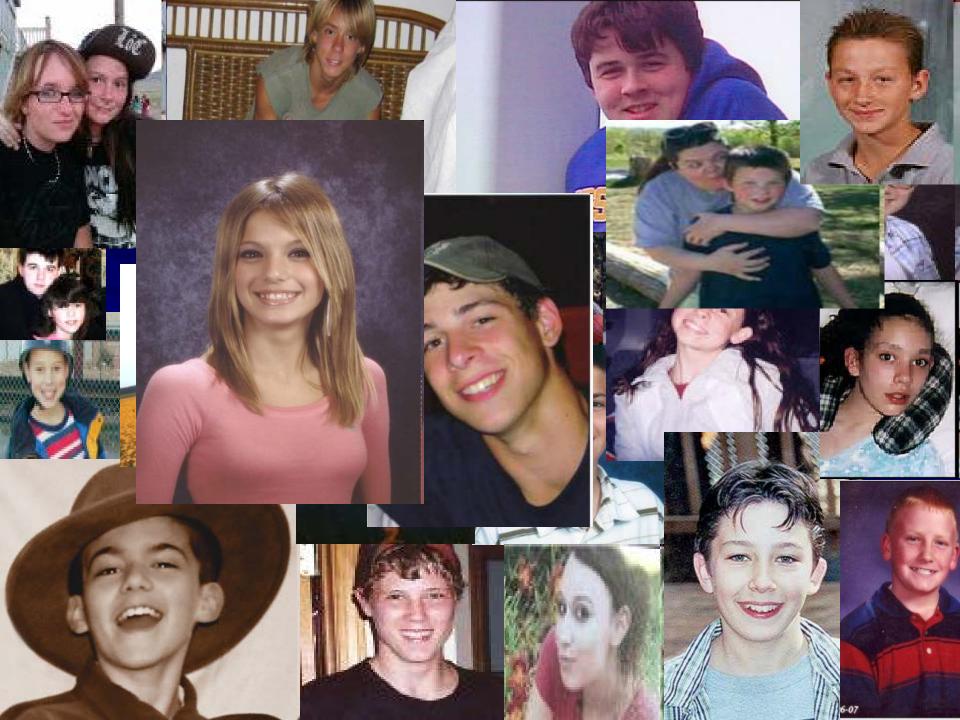
WHAT WE CAN WE DO IN THE COMMUNITY?

ASK: Is there a local issue? Do we need education or training?

LEARN: About the problem of games and outcomes in your region, and what to do if a survivor presents in your emergency department. INFORM: Collaborate and get the word out.

ACT: Align with public health and police, i.e. "On Wednesday, students sat in amazement while listening to real 911 calls from school age victims. This was an effort to spread awareness of the addictive trend... (of asphyxial games)."

WORK: Prevent further cases, and treat those we may be able to save.



QUESTIONS, DISCUSSION?

Selected references

Katz KA, Toblin RL. Language matters: unintentional strangulation, strangulation activity, and the "choking game." Arch Pediatr Adolesc Med 2009;163:93–4.

CDC. Unintentional strangulation deaths from the "choking game" among youths aged 6–19 years—United States, 1995–2007. MMWR 2008;57:141–4.

Andrew TA, Fallon KK. Asphyxial games in children and adolescents. Am J Forensic Med Pathol 2007;28:303–7.

Ullrich NJ, Bergin AM, Goodkin HP. "The choking game": self-induced hypoxia presenting as recurrent seizurelike events. Epilepsy Behav 2008;12:486–8

Shlamovitz GZ, Assia A, Ben-Sira L, et al. "Suffocation roulette": a case of recurrent syncope in an adolescent boy. Ann Emerg Med 2003;41:223–6.

Le D, Macnab AJ. Self strangulation by hanging from cloth towel dispensers in Canadian schools. Inj Prev 2001;7:231–3. Senanayake MP, Chandraratne K, de Silva T, et al. The "choking game": self-strangulation with a belt and clothes rack. Ceylon Med J 2006;51:120.

Urkin J, Merrick J. The choking game or suffocation roulette in adolescence. Int J Adolesc Med Health 2006;18:207–8. Macnab A, Deevska M, Gagnon G, et al. Asphyxial game or "the choking game": a potentially fatal risk behaviour. Inj Prev 2009;15:45–9.

McClave JL, Russell PJ, Lyren A, O'Riordan MA, Bass NE. The choking game: physician perspectives. Pediatrics 2010;125:82–7 [E-pub ahead of print December 14, 2009].

Links to references from web and popular media:

'Teen Choking Game Has Fatal Consequences'

http://abcnews.go.com/Health/story?id=2106272&page=1&CMP=OTC-RSSFeeds0312

Kids Choose Hanging For Suicide. ATLANTA, June 10, 2004. Available at: http://www.cbsnews.com/stories/2004/06/10/national/main622450.shtml

MMWR (06/22/04). Methods of Suicide Among Persons Aged 10-19 Years – United States, 1992-2001 Available at: <u>http://www.medscape.com/viewarticle/481263</u> Anti-ChG video on YouTube http://www.youtube.com/watch?v=cWgEaBVVuRI

douglas.masini@armstrong.edu