

Disclaimer

- Information and education provided by the Central PA HCQU is intended as general information or a review of information previously provided by a Health Care Provider.
- This training is not intended to replace medical advice- it is an overview.
- Participants are advised to consult medical professionals for questions and concerns specific to the topic.

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Objectives At the conclusion of this presentation the participant will be able to: List the five common health conditions that impact individuals with intellectual and Developmental Disabilities (IDD) at a greater rate and with more severity than those in the general population. List signs and symptoms of each specific health condition. Understand the importance of early recognition of each health condition.



















	ons and ications
Aspiration: When fluid, food, saliva or medication enters the lungs	Choking: When food or other items become lodged in the back of the throat.
Aspiration can lead to refusal to eat, weight loss, poor nutrition, wheezing, difficulty breathing, hypoxia, and/or pneumonia which can cause death.	Choking can lead to a blockage in the airway, <u>preventing oxygen</u> from entering the lungs and the blood stream.
	This can quickly lead to irreversible brain damage and death.



Signs and S	Symptoms
ASPIRATION	CHOKING
 Coughing or excessive drooling with eating or drinking Difficulty breathing or shortness of breath Wheezing Statement such as "food is getting stuck" Frequent throat clearing Eating too fast or packing the mouth 	 Anxious or agitated state Reddened face Difficulty or noisy breathing Severe coughing or gagging Hands to throat Not able to talk Not able to breath Skin turning gray or blue Loss of consciousness THIS IS AN EMERGENCY!



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Gagging during a meal

Crying or face turning red during a meal

...Signs and symptoms of Dysphagia

- Drooling-especially during meals
- Throat clearing frequently during and/or after a meal
- · Hoarse throat during and after a meal
- · Refusal to eat certain foods
- Unexplained weight loss
- Mealtime takes a very long time (defined as greater than 45 minutes and not due to cognitive ability)

(Consult with a health care provider if an individual has difficulty swallowing medications.)

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Dysphagia and Mealtime

Carefully follow any special meal preparation and/or eating procedures! Pay attention to:

- Diet. Carefully follow any special food preparation or eating procedure-never take shortcuts. Follow any special diet prescribed by the doctor or dietician.
- Mealtime. Encourage eating slowly and do not do other activities while eating. The person should be calm, alert, not tired or anxious when eating. Position. Help maintain proper eating position: Sitting upright with the help of supports if needed and NOT lying down for at least 30 minutes after a meal.

Observe the person during mealtime. Encourage caregivers to follow the above recommendations. Make sure staff are trained in giving emergency first aid for choking.

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Coughing or excessive drooling while eating • Difficulty breathing or shortness of breath while or What are the after eating Making statements such as "food is getting stuck" or "going down the wrong pipe." signs of individuals at Frequent throat clearing while eating · Eating too fast or packing one's mouth risk for choking?





Choking is a medical emergency

- Immediately begin First Aid for an individual who is conscious and choking, meaning the individual is alert and unable to cough, speak or breathe. If possible, have someone else call 911 at the same time.
- If the individual becomes unconscious, call 911 if this has not already been done, move him/her to the floor and begin First Aid/CPR care for an unconscious choking individual.
- When calling 911, do not delay by seeking supervisory approval prior to calling 911.

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Prevention of aspiration and choking

- The initial treatment of choice is to **prevent** aspiration. Early identification of aspiration and choking are essential.
- Review and follow all treatment plans including level of supervision and assistance per orders
- Always follow the prescribed diet and PREPARE FOOD AS INSTRUCTED
- Avoid foods that were identified to increase risk
- Make sure dentures are securely in place and oral hygiene is complete per ISP









...Common risk factors

- A person who drools (loses fluids that need to be replaced)
 A person who frequently refuses foods and fluids
- A person with any type of stoma (opening in your belly's wall that a surgeon makes) such as a colostomy
 Vomiting
 DEC Trans
- PEG Tube

*Restricting fluids to prevent incontinence has consequences. Restricting fluids can contribute to constipation, increased seizure frequency, drug toxicity and other health problems.

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Common signs and symptoms of mild /moderate dehydration	 Dry mouth and tongue with thick saliva Dry eyes Increased thirst Dark concentrated urine Decreased urine volume Muscle weakness
	Headache Dizziness
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Common signs and symptoms of severe dehydration	 Extreme thirst Confusion Lethargy Sunken eyes No sweating Low blood pressure Coma







Tips to prevent dehydration	 Drink plenty of fluids Increase fruits and vegetables Remember to increase fluid intake with:- presence of vomiting or diarrhea strenuous exercise heat exposure fever is present illness or on certain medications the individual is very active, works hard or sweats heavily Do not ignore your thirst Avoid caffeine and alcohol
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Constipation The primary cause of "everything"

- Fever
- Anorexia
 Vomiting
- Seizures
- Medication intoxication
- Decreased Level of Consciousness
- Pneumonia
- Behavioral outbursts
- Death

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- Hard and dry stool • Hard, protruding abdomen
 - Bloating and complaints of stomach pain
- Vomiting digested food that smells like feces
- Decreased or loss of appetite
- Change in behavior (irritable, aggressive behaviors, a new reluctance to walk)
- · Stool that is small, hard, and difficult to pass
- Pain, discomfort or blood with bowel movement
- Liquid stool moves around the partial obstruction

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Risk factors of constipation

Cerebral Palsy **Cystic Fibrosis** Muscular dystrophy Spinal cord injury Neurological damage Down syndrome Illness or injury Poor diet Polypharmacy

Causes of Constipation

Not enough fluid/fiber intake
No regular exercise (wheelchair use or limited mobility) Medical conditions affecting muscle movements, and general weakness Prescribed and over-the-counter medications Drug toxicity
Changes in toileting routines
Ingestion of non-food items (Pica)
Previous history of constipation

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		BRISTOL STOOL CHART	
•	Type 1	Separate hard lumps	Very constipated
	Type 2	Lumpy and sausage like	Slightly constipated
	Type 3	A sausage shape with cracks in the surface	Normal
	Type 4	Like a smooth, soft sausage or snake	Normal
886	Type 5	Soft blobs with clear-cut edges	Lacking fibre
Contraction	Type 6	Mushy consistency with ragged edges	Inflammation
	Type 7	Liquid consistency with no solid pieces	Inflammation









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What is a seizure?

- A **seizure** is a sudden abnormal burst of electrical activity arising within the brain.
- A seizure disorder (epilepsy) is a disorder of the brain that is characterized by recurring seizures.



Common seizure symptoms	 Unresponsive or staring Fluttering of eyes or rolling eyes up or in a specific direction Lip smacking Muscle spasms-on one side or full body Loss of bladder or bowel
The symptoms of a seizure will depend on which area of the brain is affected.	 Numbness or tingling in extremities Hearing or smelling things that are not there











First Aid for seizures	 Stay with the person, and call 911 ASAP if any of these apply: The seizure lasts longer than 5 minutes. If not breathing or having difficulty breathing after seizure. If the person does not regain consciousness after seizure. They experience repeat seizures.
	 The person is pregnant, injured or has diabetes. The seizure occurs in someone who has never had a seizure.







Management of seizures	Most seizure disorders cannot be prevented, effective management is key. • Compliance with medication and monitoring • Avoid known seizure triggers • Avoidance of constipation • Avoidance of dehydration • Early treatment of infection and fevers • Reduce possible complications (do not drive or swim alone) • Refrain from use of recreational drugs
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Actions to reduce the risk to individuals

Review current and/or develop policies and procedures that:

Address measures to identify individuals at risk

• Establish precautions to minimize or eliminate the causes

• Ensure appropriate documentation and accuracy of records

Establish processes for emergency response and calling 911



What is Infection?

- The invasion and growth of germs in the body. The germs may be bacteria, viruses, yeast, fungi, or other microorganisms. **Infections** can begin anywhere in the body and may spread all through it.
- Can also be atypical infections: trauma burns, heatstroke, myocardial Infarction (MI), inflammatory processes (pancreatitis, appendicitis, etc.)

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a medical emergency.

To put it simply, sepsis is a term used to describe a serious illness characterized by a bacterial **infection** in the bloodstream.

Also known as blood poisoning.

Occurs when many infectious agents invade the bloodstream leading to bacteremia.

Sepsis is the body's overwhelming **immune response** to infection, which can lead to tissue damage, organ failure, amputations, and death.

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What causes sepsis?

- Sepsis does not arise on its own. It generally comes from an infection in the lungs, urinary tract, skin, abdomen (such as appendicitis) or other part of the body.
- Invasive medical procedures like the insertion of a vascular catheter can introduce bacteria into the bloodstream and bring on the condition.





Signs and symptoms of Sepsis	 A silent killer. Early symptoms of sepsis should not be ignored. These include: A fever above 101 degrees F or a low body temperature below 96.8 degrees F – shivering, feeling very cold Fast heart rate higher than 90 beats per minute Rapid breathing, or more than 20 breaths per minute Probable or confirmed infection.
Early recognition is important.	If you suspect sepsis, call 911 or go to a hospital right away.



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- People with sepsis are usually treated with aggressive hospital care.
- Doctors focus on treating the infection, keeping the vital organs working, and preventing a drop in blood pressure.
- The first step is often treatment with broadspectrum antibiotics, medicines that kill many types of bacteria. Doctors select medicine that specifically increase blood pressure, stabilize blood sugar, manage pain and reduce inflammation.

Infection Prevention	Reduce the risk of sepsis by preventing infections: • Clean environment • Practice good hygiene and good handwashing • Good dental hygiene • Stay current with vaccinations • Avoid others with colds/flu • Clean scrapes and wounds • Routine catheter/line changes • Proper positioning (aspiration risk, GT feeding,
	pressure injuries) Supervised feedings/enteral feedings
	 Toileting routine/ control constipation

REMEMBER

For each hour that passes without treatment, there's about a 10 percent increase in the risk of death. The saying goes "**when in doubt**, **send them out**." It may just save their life.

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Resources • www.healthline.com • https://hrstonline.com • https://hrstonline.com • www.webmd.com • www.webmd.com • www.medicinenet.com • www.medicinenet.com • www.mayoclinic.com • www.sepsis.com • www.sepsis.com • www.medlineplus.gov • www.nationaladvocacycampaign.org • www.asha.org
