WISCONSIN Improving School Health Services Project

Injury and Illness Protocols

- Allergic Reaction
- Amputation & Avulsion
- Asthma & Difficulty Breathing
- Back Pain
- Behavioral Health Concerns
- Bites
- Bleeding
- Blisters
- Bruises
- Burns
- Child Abuse
- Cuts, Scratches, & Scrapes
- Dental Braces-Ligatures
- Dental Braces-Pain
- Diabetes
- Diarrhea
- Ear Problem-Drainage and Earache
- Ear Problem-Object in the Ear
- Electric Shock
- Eye Problem-Chemical in eye
- Eye Problem-Injury to eye
- Eye Problem-Particle in eye
- Facial sore (Cold sore)
- Fainting
- Fever
- Finger/Toenail Injury
- Fracture, Dislocation & Sprain
- Frostbite/Frostnip
- Head Injury

- Headache
- Heat Exhaustion/Heat Stoke
- Hypothermia
- Menstrual Difficulties
- Mouth & Jaw Injuries
- Neck Pain
- Nose Injury
- Nose Problem-Object in nose
- Nosebleed
- Not Feeling Well
- Poisoning & Overdose
- Pregnancy
- Puncture Wound
- Rash
- Seizure
- Sickle Cell
- Snake Bite
- Sore Throat
- Splinter
- Stabbing/Gunshot
- Stings
- Stomachache & Pain
- Tick
- Tooth-Bleeding Gums or Toothache
- Tooth-Chipped, Broken or Displaced
- Tooth-Knocked Out
- Unconsciousness
- Vomiting

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WISHeS Injury and Illness Protocols

About the Protocols:

The injury and illness protocols were developed by the WISHeS: Wisconsin Improving School Health Services Project. The protocols have been researched and reviewed by numerous qualified healthcare professionals. Information contained in the protocols was adapted from the Ohio Department of Public Safety's *Emergency Guidelines for Schools, 3rd Edition* and the *Wisconsin Emergency Preparedness Guidelines for Schools*.

The injury and illness protocols are meant to serve as basic first aid and illness management and are intended to be used by *staff without medical/nursing training*, when a nurse or other medical professional is not available. It is recommended that the protocols be reviewed and approved by the school district's medical advisor. It is also recommended that staff who are responsible for providing first aid and illness management to children complete an approved first aid and CPR course. In order to perform CPR safely and effectively, skills should be practiced in the presence of a trained instructor and reviewed yearly.

The protocols have been created as recommended procedures. It is not the intent of these guidelines to supersede or make invalid any laws or rules established by a facility, system, governing board or the State of Wisconsin. The algorithms contained in the guide reflect current medical and nursing practice and are to be used in conjunction with a student's health care provider orders, if available.

If you have any questions or comments regarding the injury or illness protocols, please contact Teresa DuChateau, WISHeS Project Coordinator at <u>Teresa@Badgerbay.co</u> or at 414.875.7257.

Please take some time to familiarize yourself with the format, and review the "How to Use the Guidelines" section prior to an emergency situation.

Please note, if a staff member feels emergency medical services are needed at any point while providing first aid and illness management, EMS/911 should be called.

More information about the WISHeS Project can be found at: http://www.wpha.org/?page=wishes_project

Accessing the Protocols:

The protocols are available to you through two mechanisms:

• Download. The protocols are available as a PDF document. Due to the nature of the content of the protocols and the original formatting, it is **highly** recommended that the protocols be printed in color in order to ensure that the copy accurately reflects the content and steps of each algorithm. The downloadable version of the protocols can be found at:

http://c.ymcdn.com/sites/www.wpha.org/resource/resmgr/WiSHES_Project/Injury and Illness_Protocols.pdf

• Online. The protocols can also be found online at the following website: <u>www.wishesprojects.org</u>. Click on the Illness and Injury Protocols link.

Both the online and downloadable version of the protocols are in a format that does not allow for editing. If your school district and medical advisor would like to edit any of the protocols, please email the project coordinator at <u>Teresa@badgerbay.co</u> and indicate which protocol(s) you would like to receive via email.

Emergency Procedure for Injury and Illness Management

Listed below are steps that should be taken for students who suffer an illness or injury.

- The following dangers will require caution: live electrical wires, gas leaks, building damage, fire or smoke, traffic or violence.
- A responsible adult should stay at the scene and provide assistance until the person designated to handle emergencies arrives.
- Send word to the person designated to handle emergencies. This person will take charge of the emergency and render any further first aid needed.
 - Note: It is important to always be aware of the primary and secondary individuals designated for emergency situations in your school.
- **Do NOT** give medications unless there has been prior approval by the student's parent or legal guardian and doctor according to local school board policy.
- **Do NOT** move a severely injured or ill student unless absolutely necessary for immediate safety. If moving is necessary, follow guidelines in NECK AND BACK PAIN section.
- The responsible school authority or a designated employee should notify the parent/legal guardian of the emergency as soon as possible to determine the appropriate course of action.
- If the parent/legal guardian cannot be reached, notify an emergency contact or the parent/legal guardian substitute and call either the physician or the designated hospital on the Emergency Medical Authorization form, so they will know to expect the ill or injured student. Arrange for transportation of the student by Emergency Medical Services (EMS), if necessary.
- A responsible individual should stay with the injured/ill student.
- Document all care and, if applicable, any medications given to the student.
- Fill out a report for all injuries requiring above procedures as required by local school policy.
 - The Wisconsin Department of Public Instruction has created a Student Accident Report Form that may be photocopied and used as needed. The form can be found at the following link: <u>http://dpi.wi.gov/files/forms/doc/pod1945.doc</u>.

WHEN TO CALL EMS/911

Call EMS:

- The child is unconscious, semi-conscious or unusually confused.
- The child's has a blocked airway.
- The child is not breathing.
- The child is having difficulty breathing, shortness of breath or is choking.
- The child has no pulse.
- The child has bleeding that won't stop.
- The child is coughing up or vomiting blood.
- The child has been poisoned.
- The child has a seizure for the first time or a seizure that lasts more than five minutes.
- The child has injuries to the neck or back.
- The child has sudden, severe pain anywhere in the body.
- The child's condition is limb-threatening (for example, severe eye injuries, amputations or other injuries that may leave the child permanently disabled unless he/she receives immediate care).
- The child's condition could worsen or become life-threatening on the way to the hospital.
- Moving the child could cause further injury.
- The child needs the skills or equipment of paramedics or emergency medical technicians.
- Distance or traffic conditions would cause a delay in getting the child to the hospital.
- If any of the above conditions exist, or if you are not sure, it is best to call EMS/911.

Minimal Essential Emergency Equipment and Resources for Schools

The following is a list of minimal essential emergency equipment and resources that should be present in every school. The list was formulated by a group of child health experts including the American Association of Pediatrics and the National Association of School Nurses.

- Accessible keys to locked supplies
- Accessible list of phone resources
- Biohazard waste bag
- Blunt scissors
- Clock with second hand
- CPR staff on site when students are on the premises
- Disposable blankets
- Emergency cards on all staff
- Emergency cards on all students
- Established relationship with local EMS personnel
- Ice (not cold packs)
- Individual care plans for students with specialized needs
- First-aid tape
- Non-latex gloves
- One-way resuscitation mask
- Phone
- Posters with CPR/Heimlich instructions
- Refrigerator or cooler
- Resealable plastic bags
- School wide plan for emergencies
- Soap
- Source of oral glucose (i.e., frosting)
- Splints
- Staff that have received basic first-aid training
- Variety of bandages and dressings
- Water source, normal saline

Bobo, N.; Hallenbeck, P; Robinson, J. (2003). Recommended Minimal Emergency Equipment and Resources for Schools; National Consensus Report. *The Journal of School Nursing*, 19(3), 150-156.

Infection Control

To reduce the spread of infectious diseases (*diseases that can be spread from one person to another*), it is important to follow standard precautions. Standard precautions are a set of infection control practices used to prevent transmission of diseases that can be acquired by contact with blood, body fluids, non-intact skin (including rashes), and mucous membranes. These measures are to be used when providing care to all individuals, whether or not they appear infectious or symptomatic.

The following are standard precautions:

- Hand hygiene which can be either washing with plain or anti-bacterial soap and water or the use of alcohol gel to decontaminate hands.
 - When performing nursing or medical interventions, if the hands are not visibly soiled, the use of an alcohol-based sanitizer is the preferred method of hand hygiene. Follow manufacturer's guidelines for use of hand sanitizer.
- Treating all blood and body fluids as potentially infectious.
- Using personal protective equipment (PPE), for example, gloves, when at risk for exposure to blood or body fluids.
- Proper disposal of medical waste.
 - Disposing sharps, contaminated items that may easily cause cuts or punctures in the skin (used needles, lancets, broken glass or rigid plastic vials) and unused needles and lancets that are being discarded, into a puncture resistant, leakproof, closable, container labeled with the biohazard symbol or are red in color.
 - Non-sharp disposable items that are saturated with blood or body fluids (i.e. fluid can be poured or squeezed from the item or fluid is flaking or dripping from the item), such as a gauze bandage saturated in blood, should be disposed of in biohazard bags that are puncture resistant, leak-proof, and labeled with a biohazard symbol or red in color.

It is recommended that school district staff who are responsible for providing first aid and illness management complete a bloodborne pathogen training. More information and resources on bloodborne pathogen training can be found on the Department of Public Instruction website: <u>http://sspw.dpi.wi.gov/sspw_bloodborne</u>.

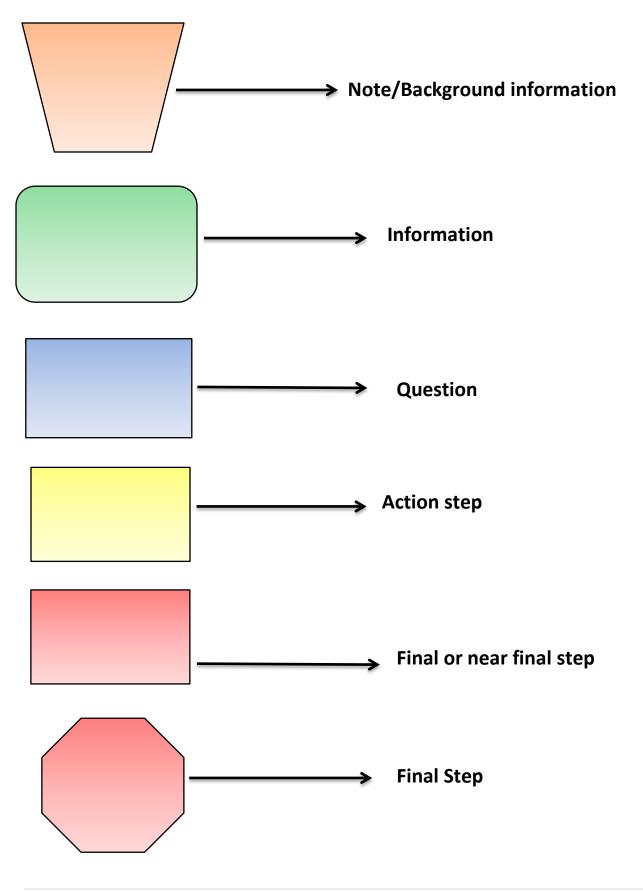
Hand Hygiene should be performed at the following times:

- 1. Before and after physical contact with any student (even if gloves have been worn).
- 2. Immediately after touching blood, body fluids, non-intact skin, mucous membranes, or contaminated items (even if gloves have been worn).
- 3. Immediately after removing gloves.
- 4. Before and after eating or handling food.
- 5. After using the restroom.
- 6. After sneezing or coughing.
- 7. After providing any first aid.

The following precautions should also be used when disposing of medical waste.

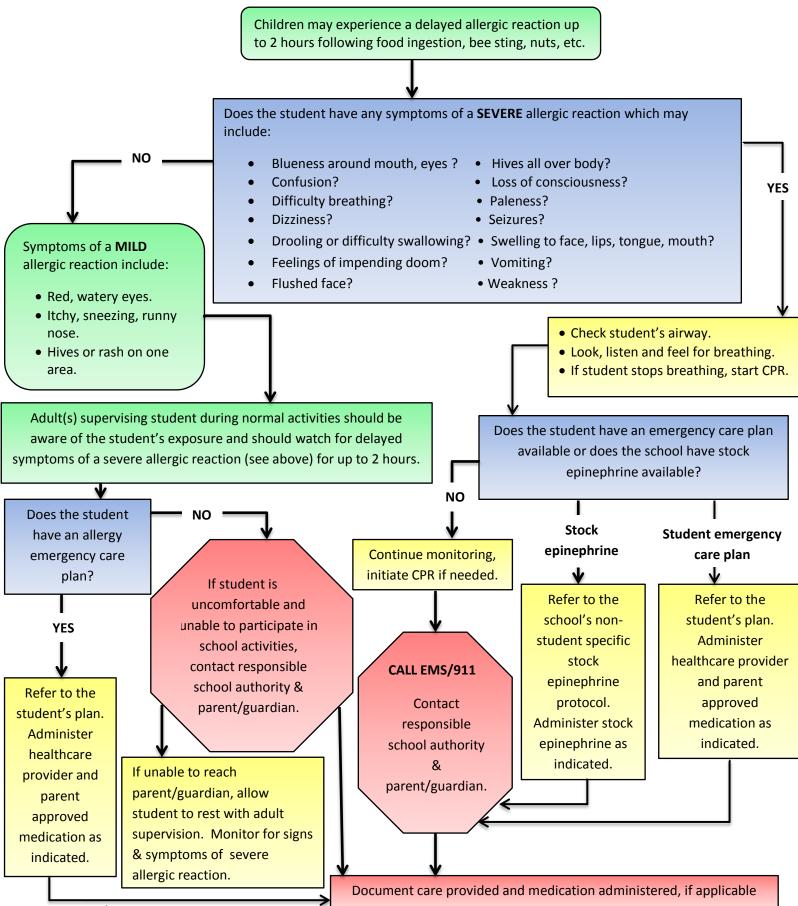
- Wear disposable gloves when in contact with blood and other body fluids.
- Wear protective eyewear when body fluids may come in contact with eyes (e.g., squirting blood).
- Wipe up any blood or body fluid spills as soon as possible (*wear disposable gloves*).
- Double bag the trash in plastic bags and dispose of immediately.
- Clean the area with an appropriate cleaning solution.
- Send soiled clothing (i.e., clothing with blood, stool or vomit) home with the student in a double-bagged plastic bag (Wisconsin Department of Health Services, 2014).

INJURY AND ILLNESS PROTOCOL LEGEND

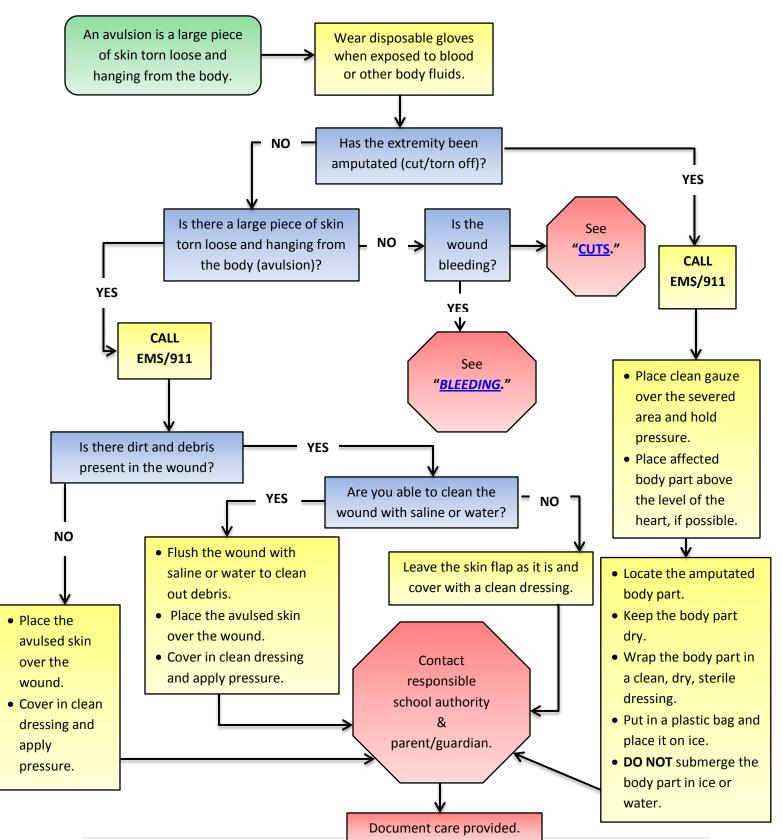


Injury and Illness Protocols

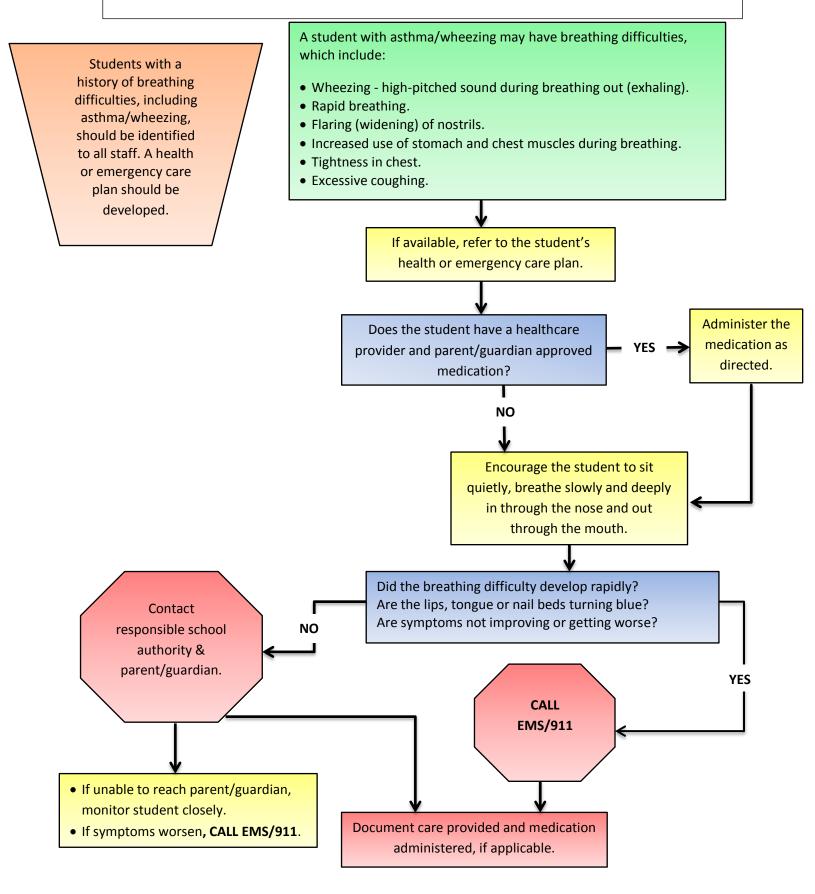
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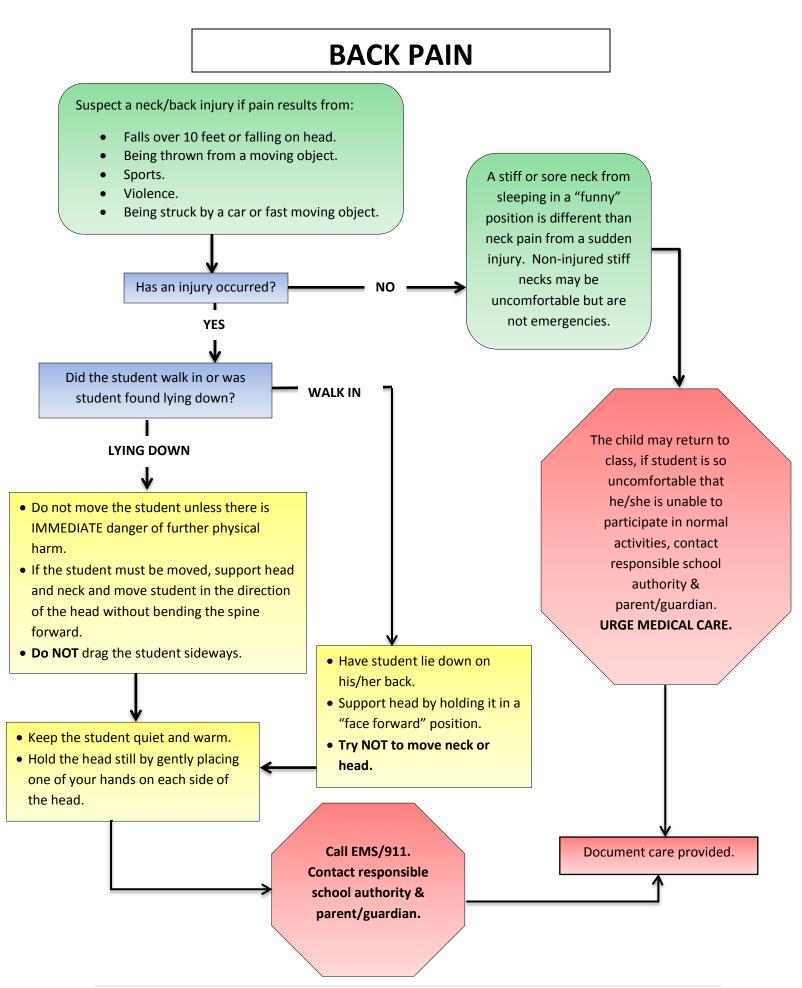


AVULSION OR AMPUTATION

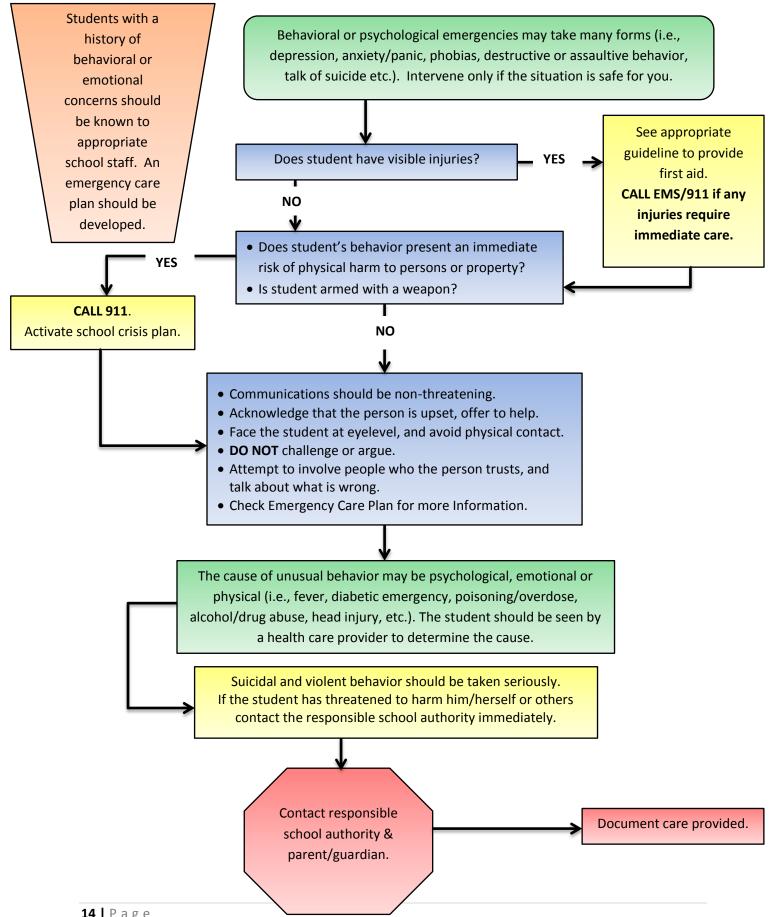


ASTHMA/WHEEZING/BREATHING DIFFICULTY

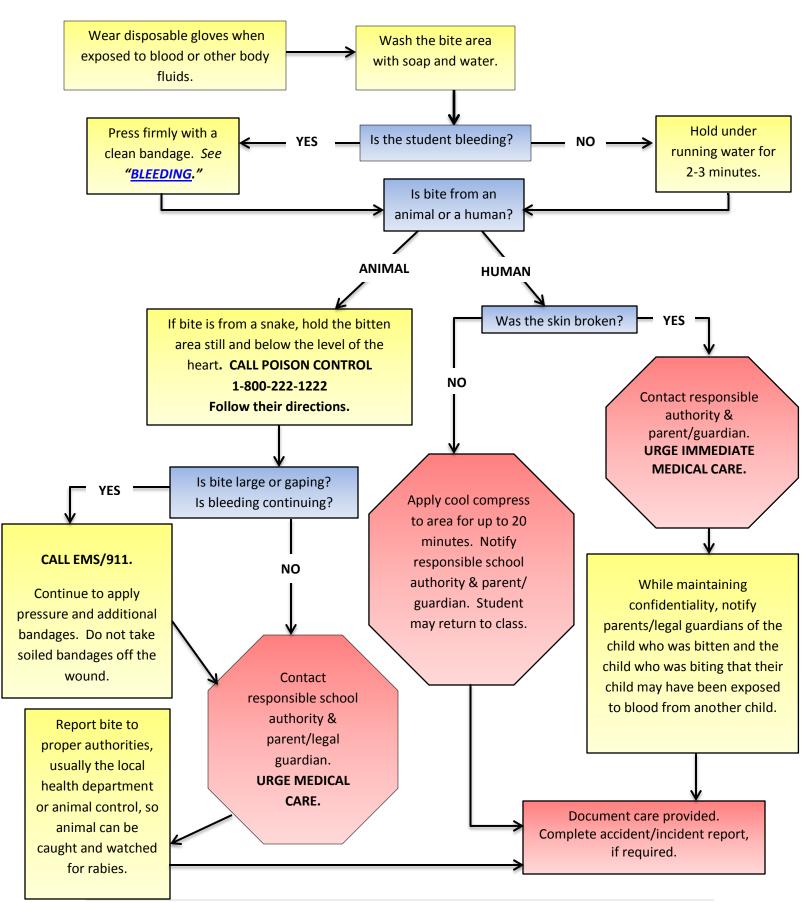




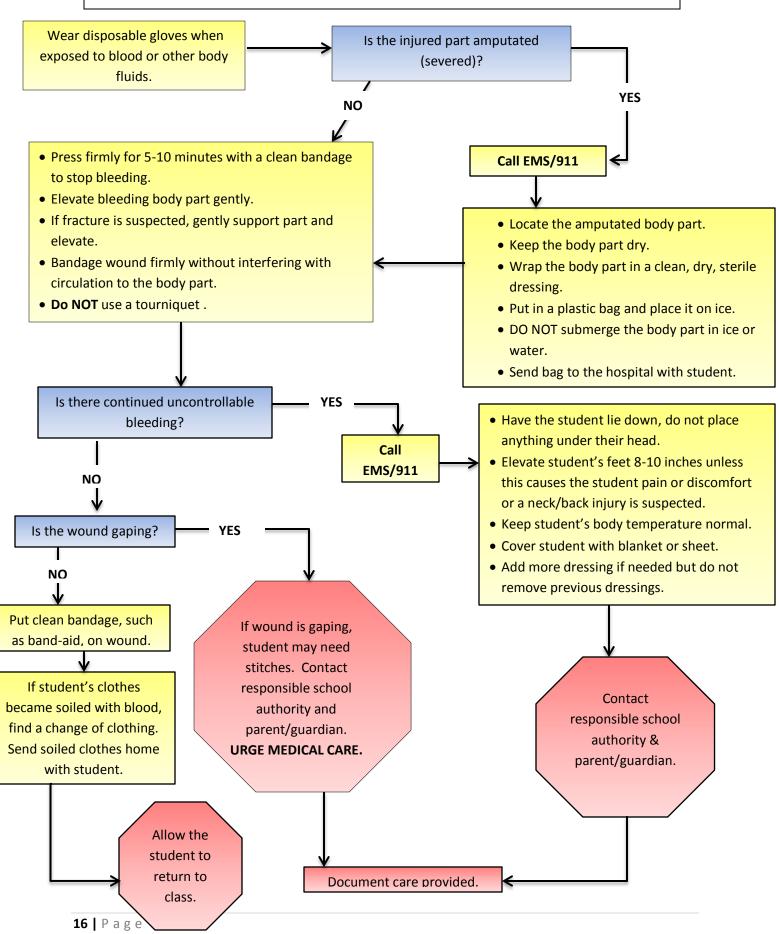
BEHAVIORAL EMERGENCIES



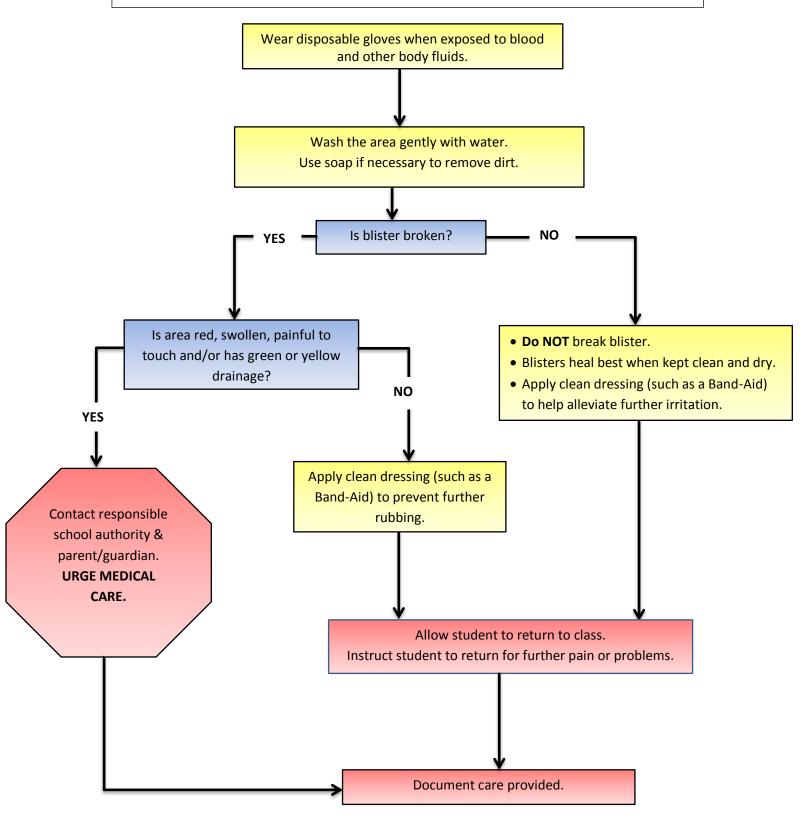
BITES (HUMAN & ANIMAL)



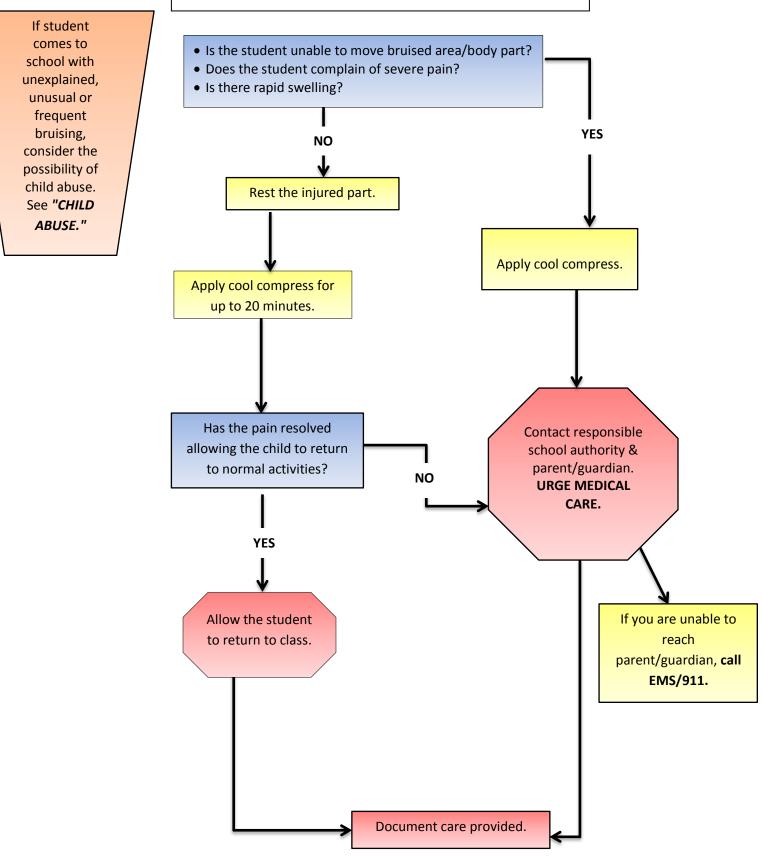
BLEEDING

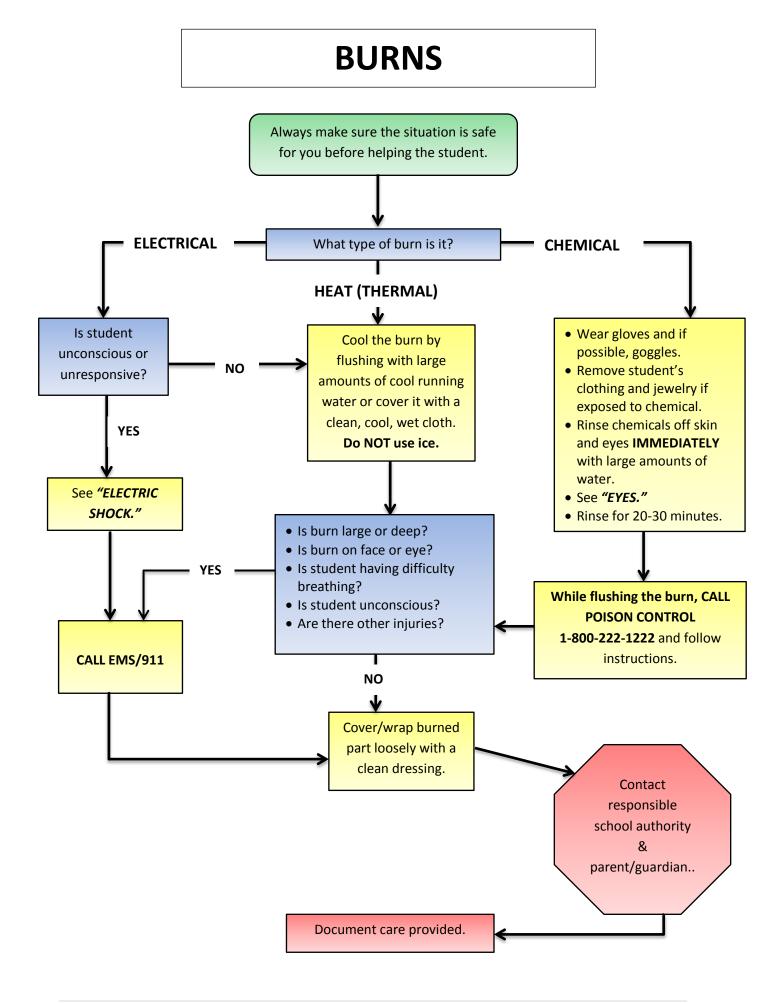


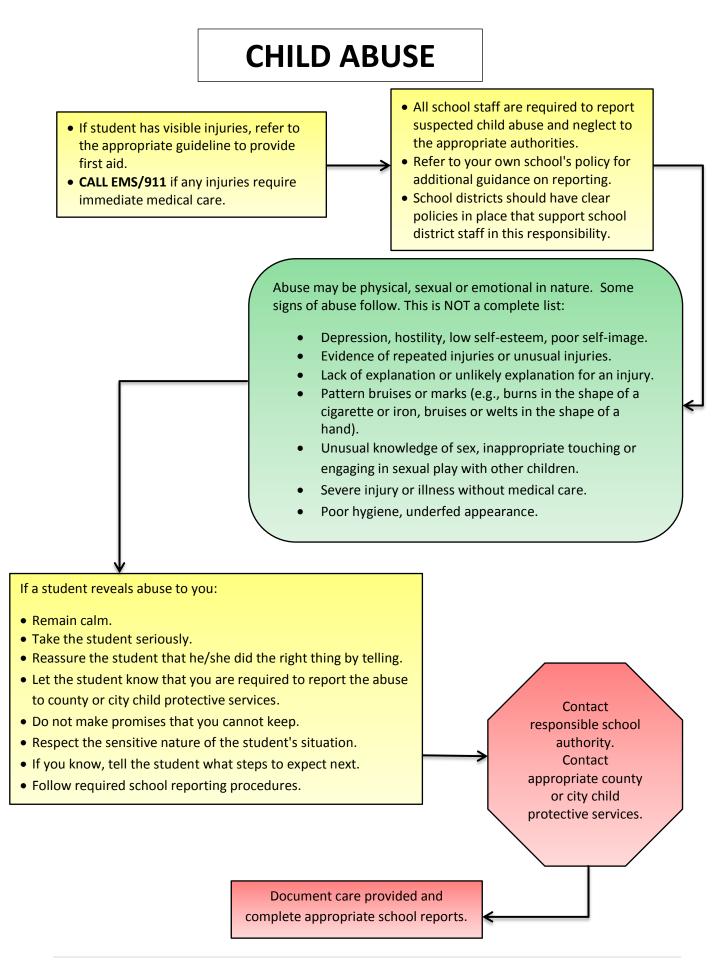
BLISTERS (FROM FRICTION)



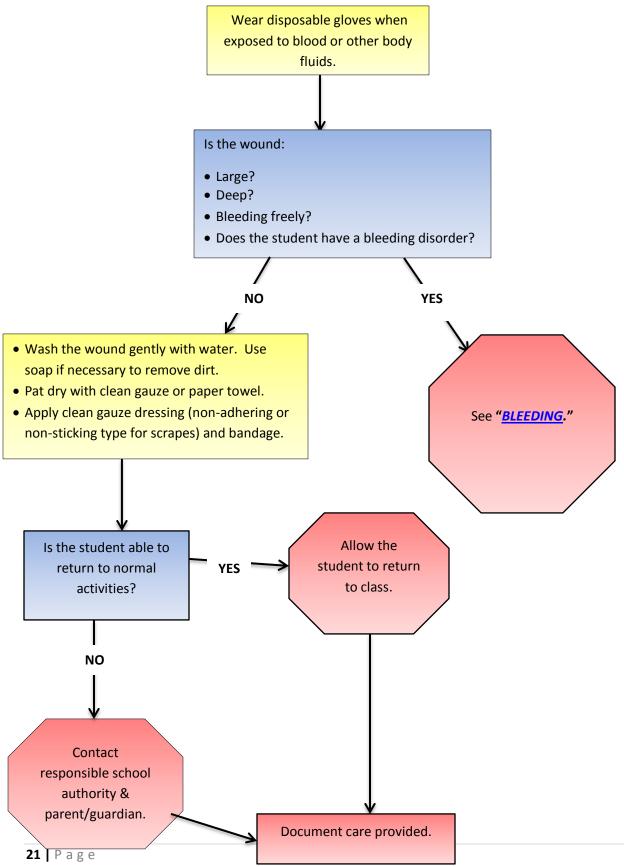
BRUISES





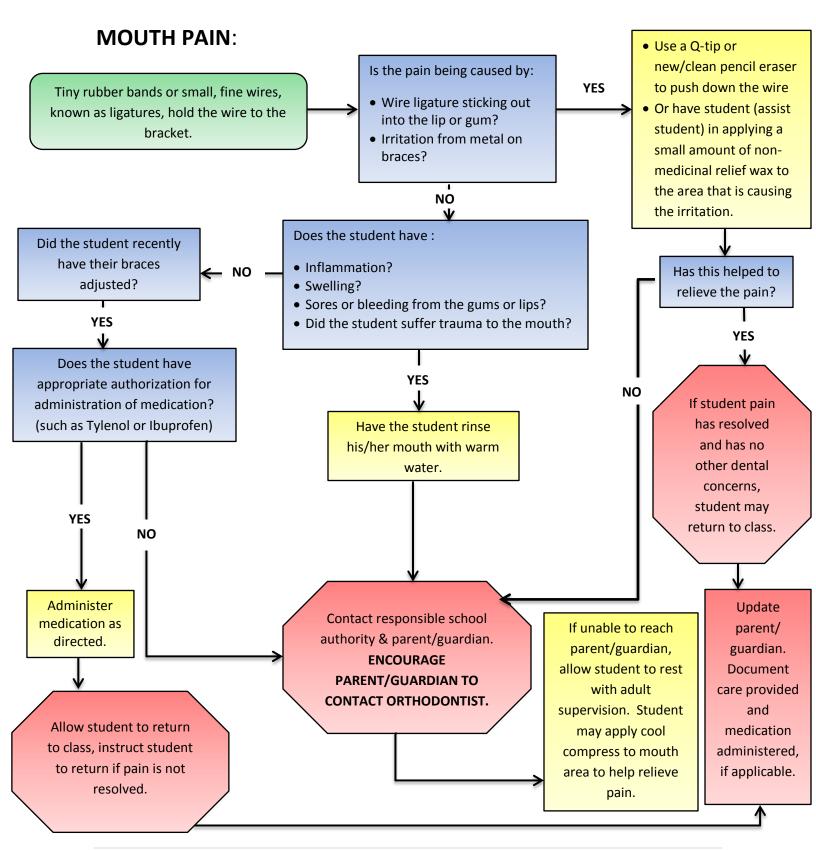


CUTS (SMALL), SCRATCHES and SCRAPES



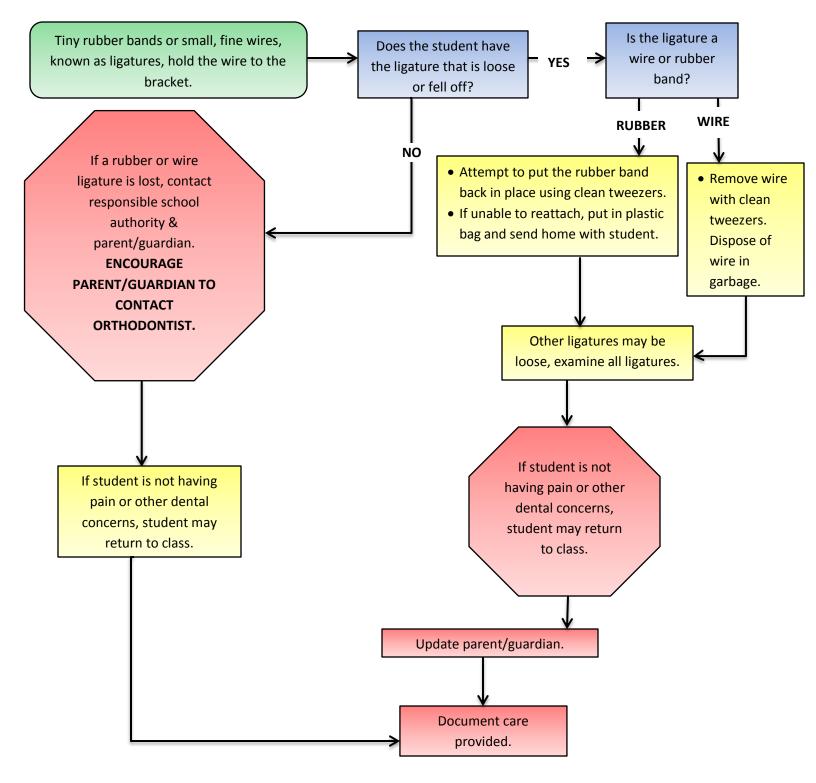
WISHeS Injury and Illness Protocols, 2015

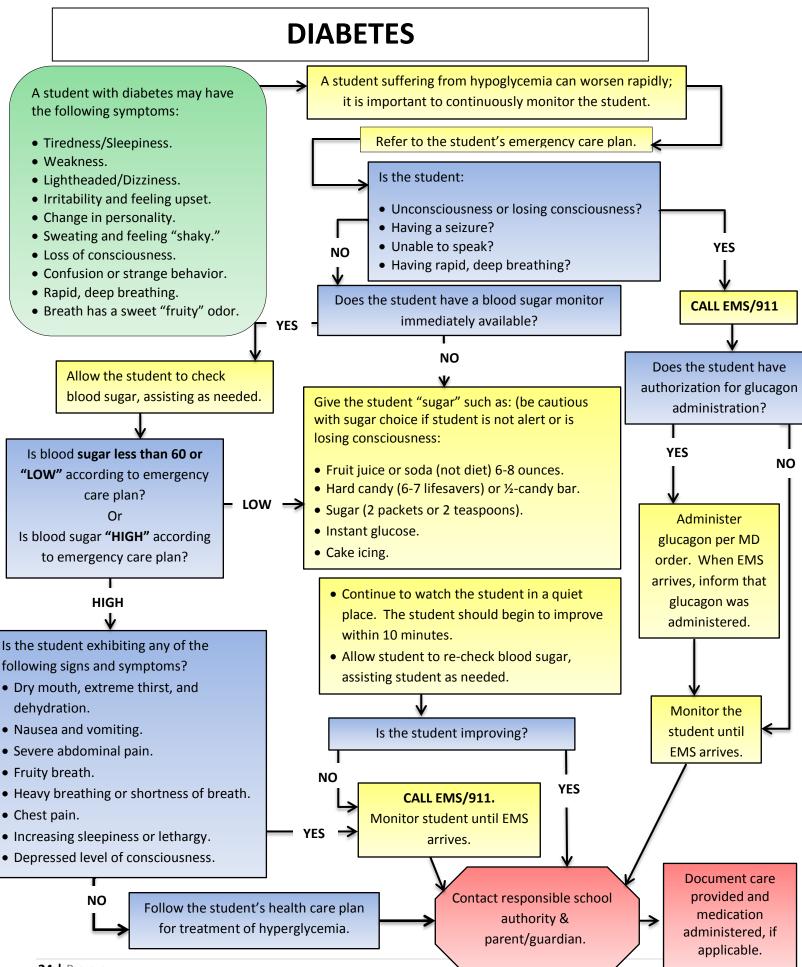
ISSUES WITH DENTAL BRACES

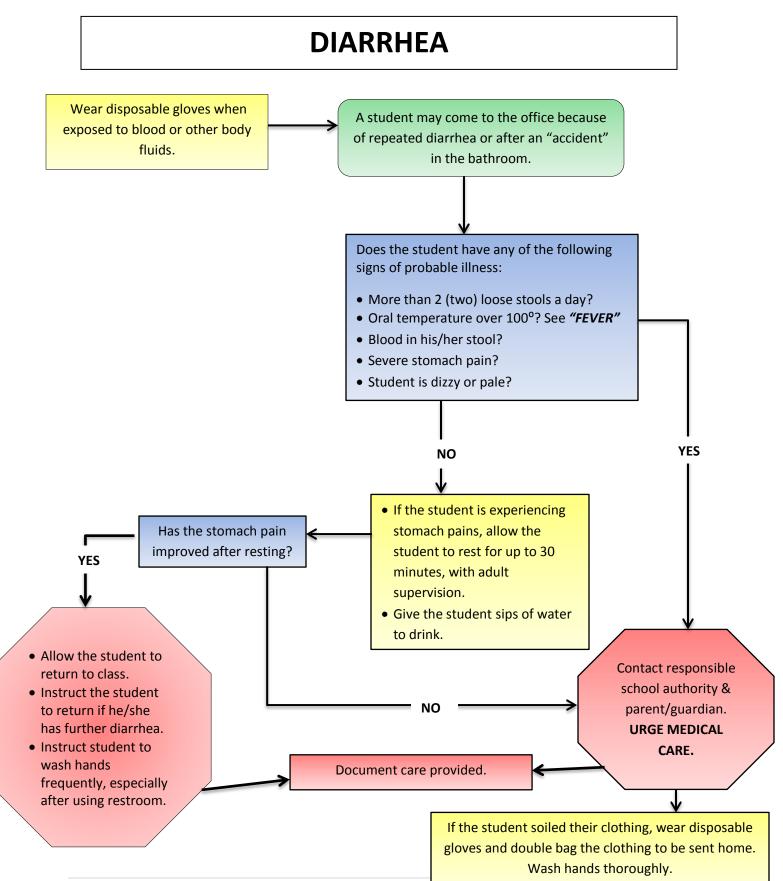


ISSUES WITH DENTAL BRACES

WIRE and RUBBER LIGATURE PROBLEMS:

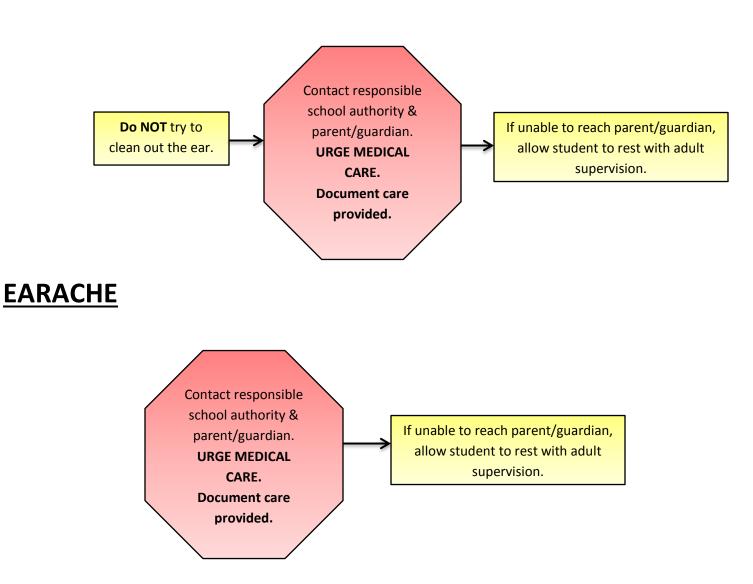


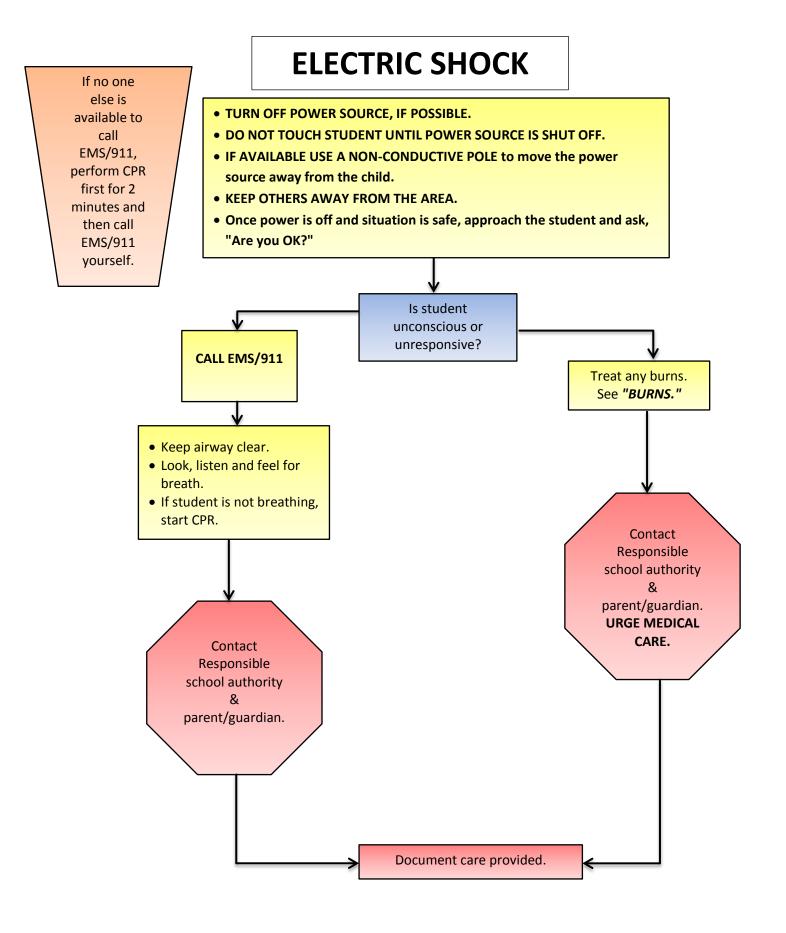




EARS

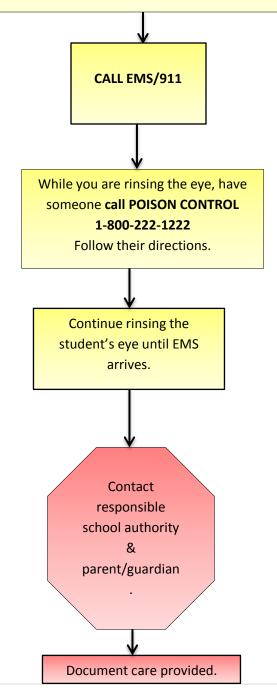
DRAINAGE FROM EAR

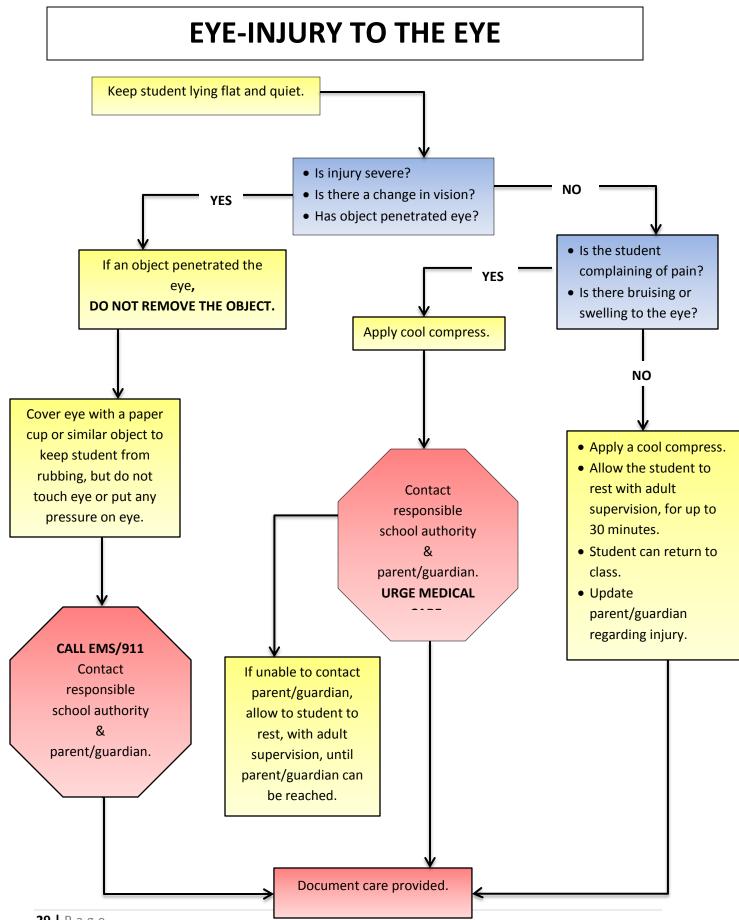


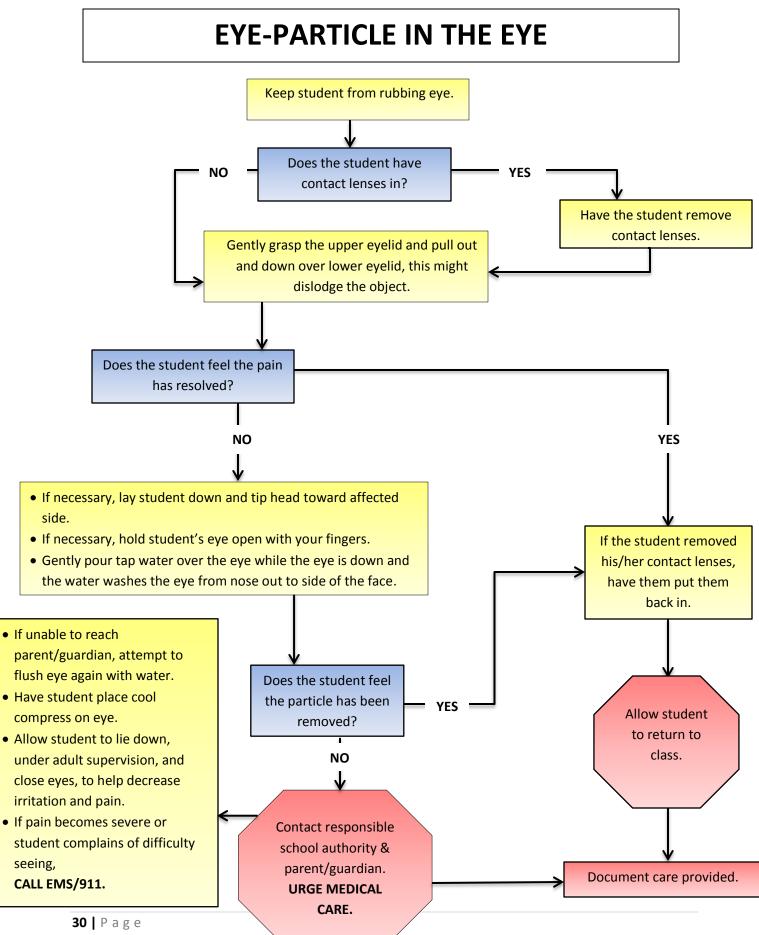


EYE-CHEMICALS IN THE EYE

- Wear gloves and if possible, goggles.
- If needed, hold the injured eye open with your fingers.
- Immediately rinse the eye with large amounts of clean water for 20-30 minutes. Use eyewash station if available.
- Tip the head so the injured eye is down and the water washes the eye from nose out to side of the face.
- If the student is wearing contact lenses, remove them if you are able.

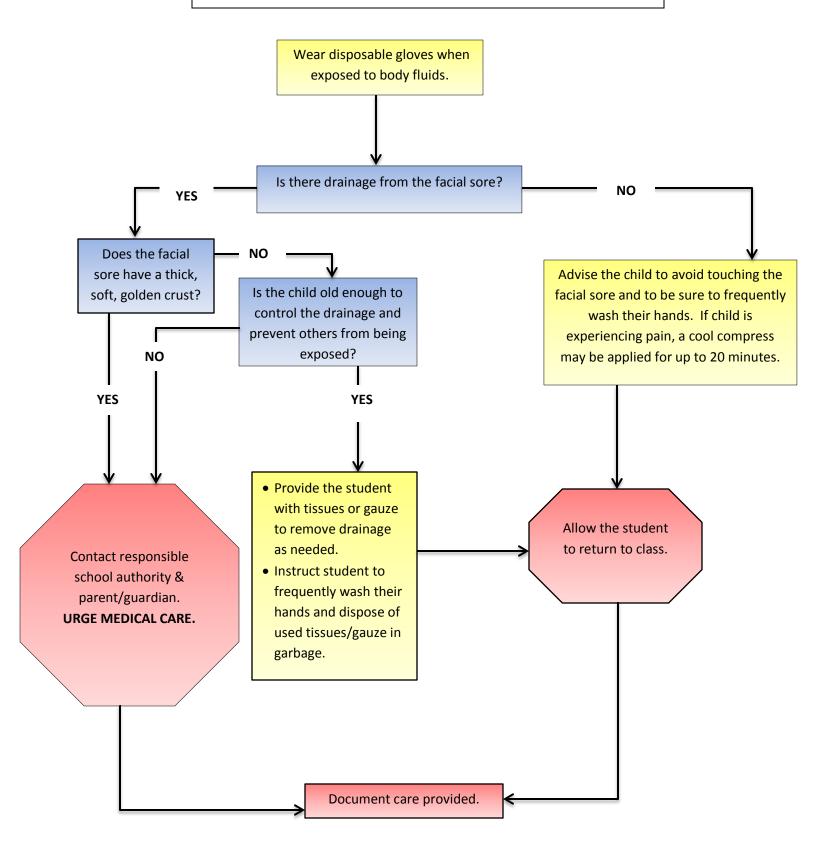




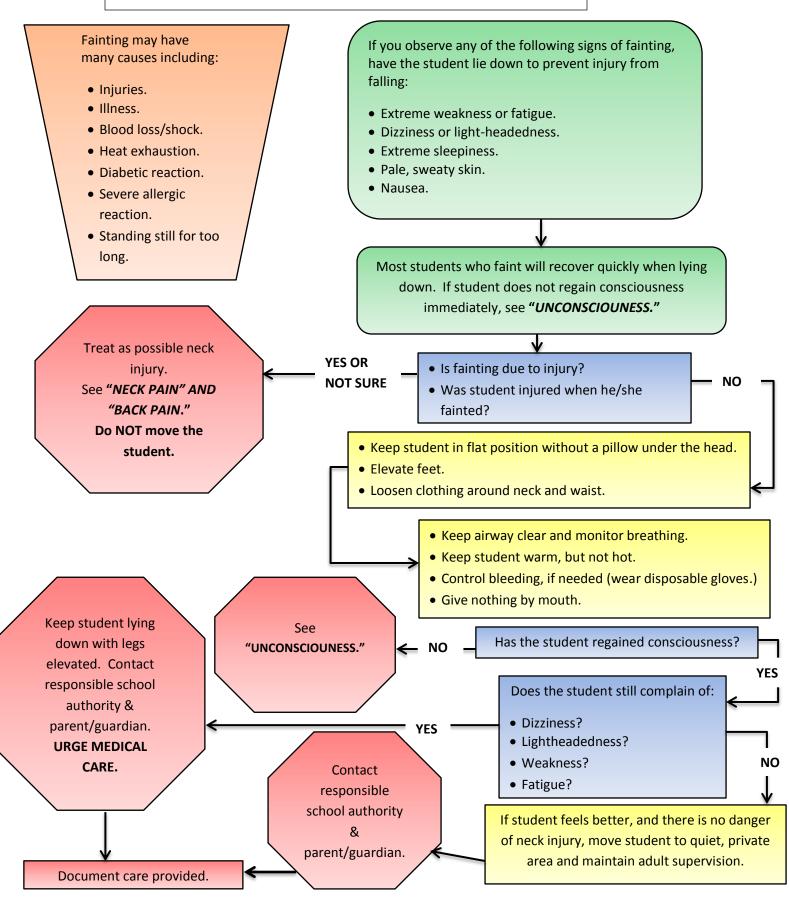


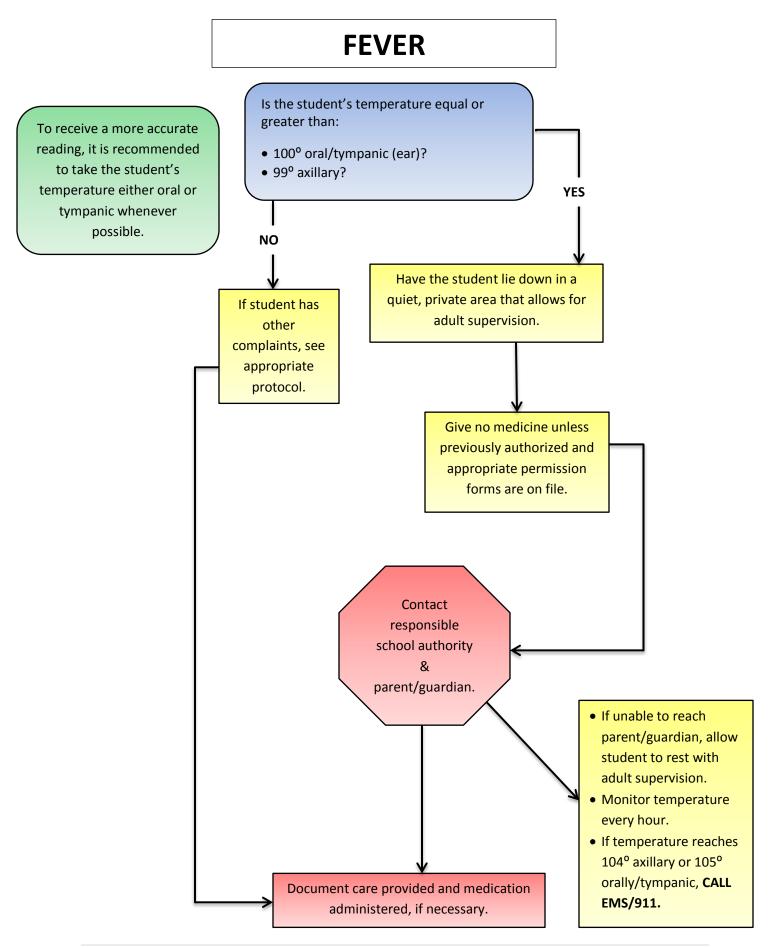
WISHeS Injury and Illness Protocols, 2015

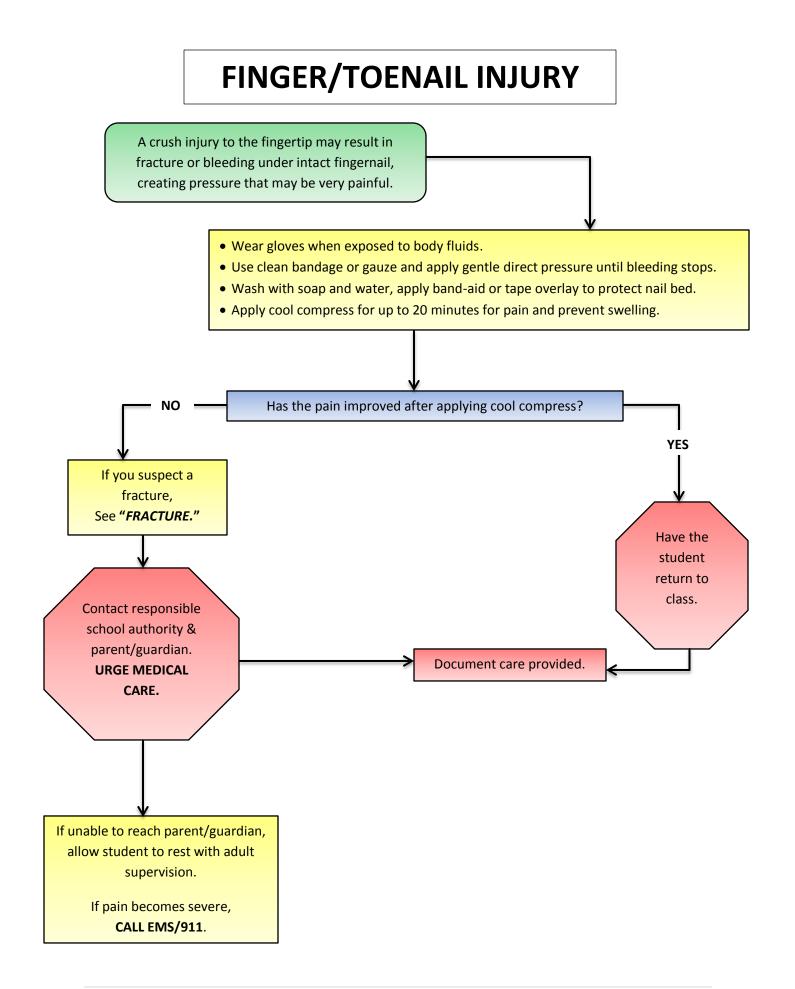
FACIAL SORE (Cold/Canker Sore)

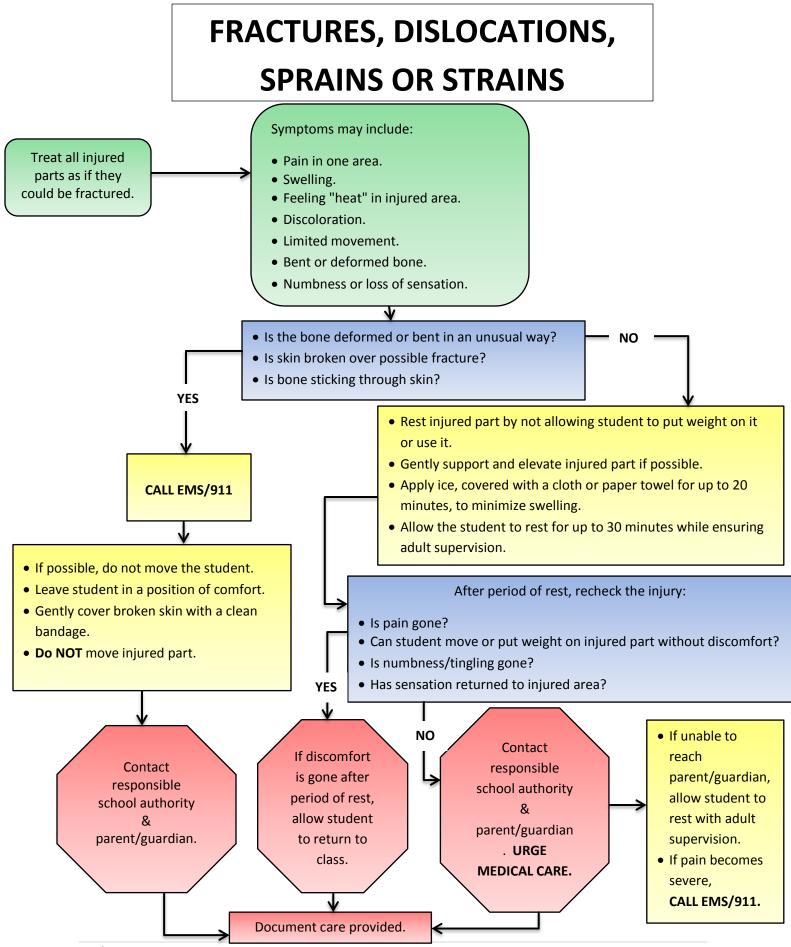


FAINTING

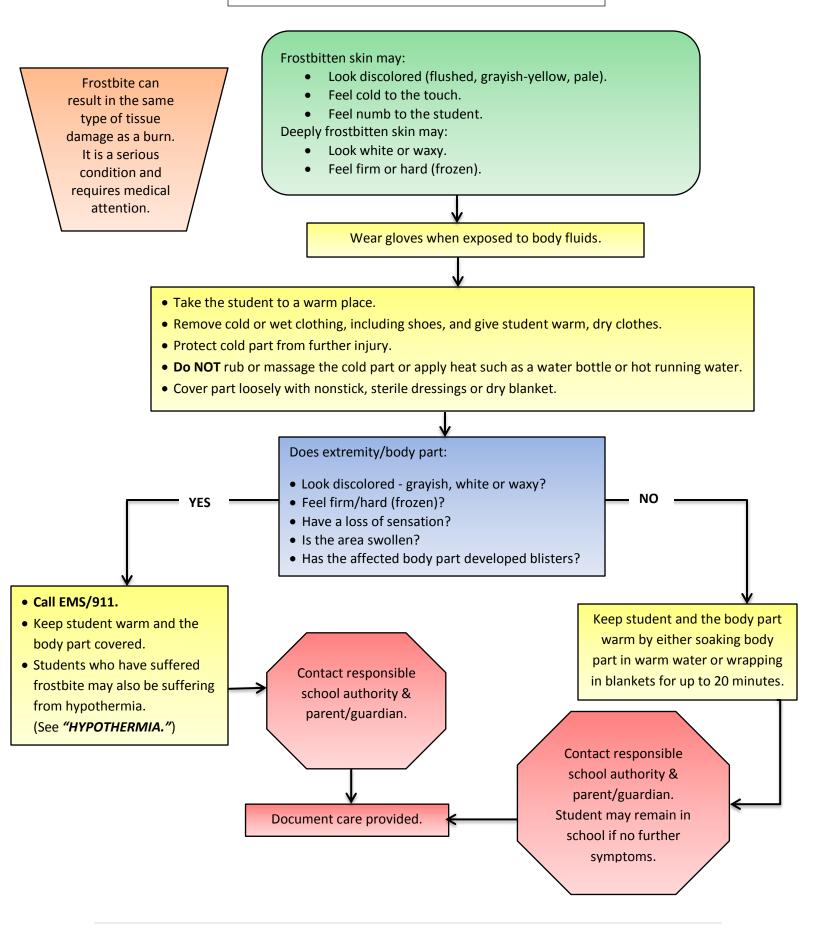


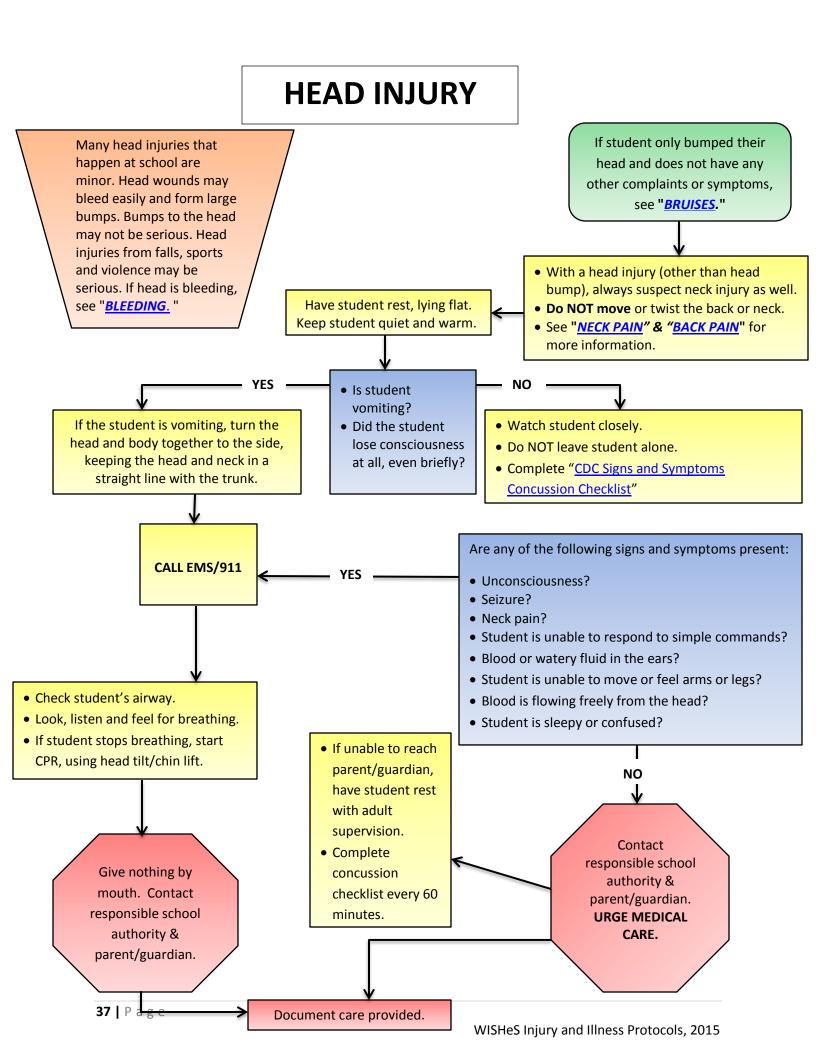


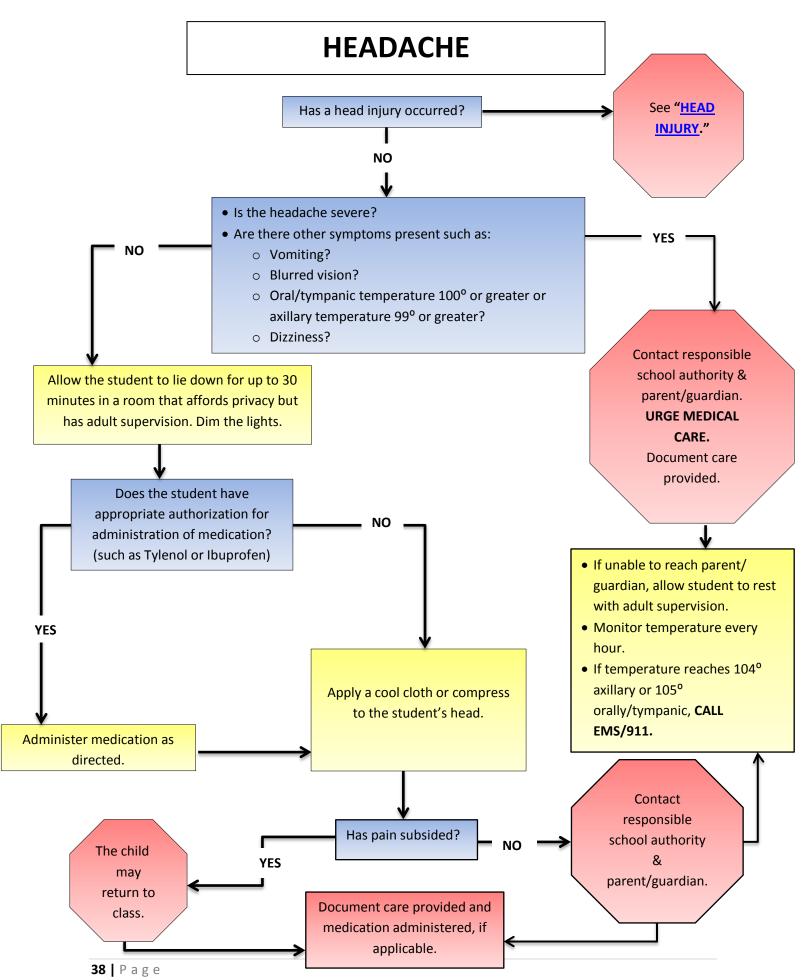


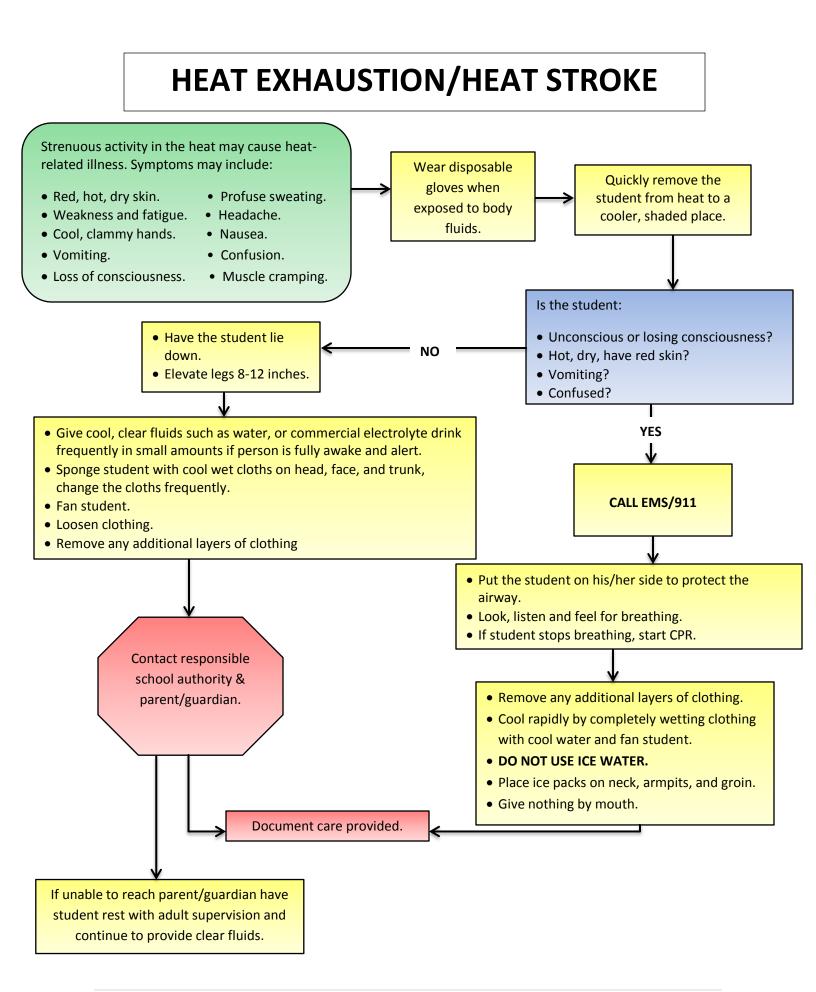


FROSTNIP/FROSTBITE

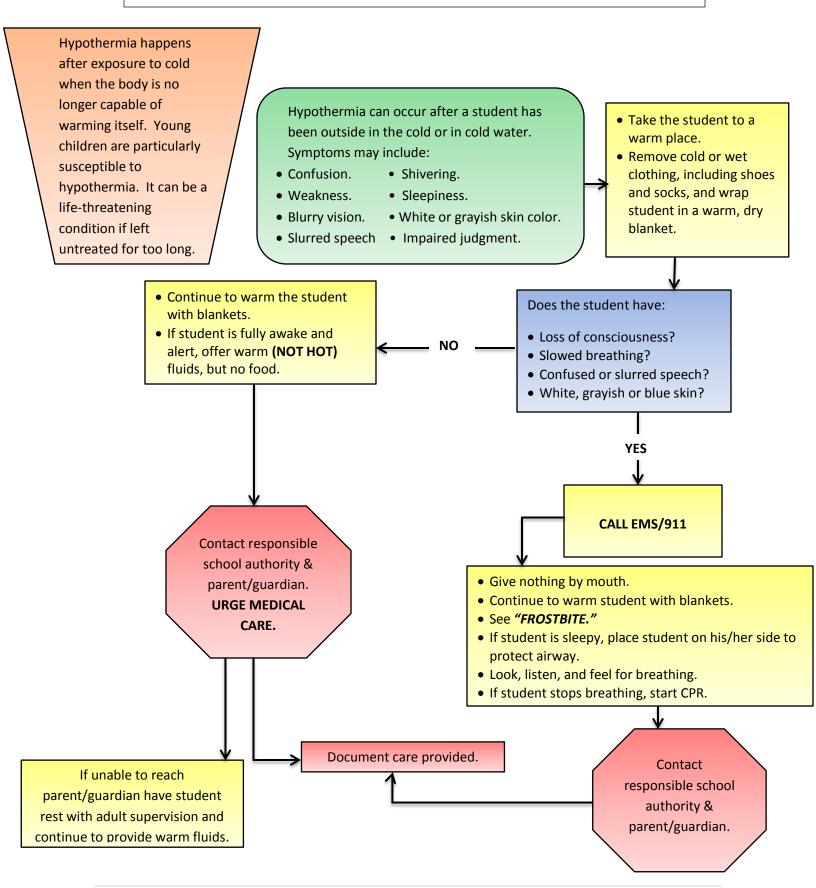


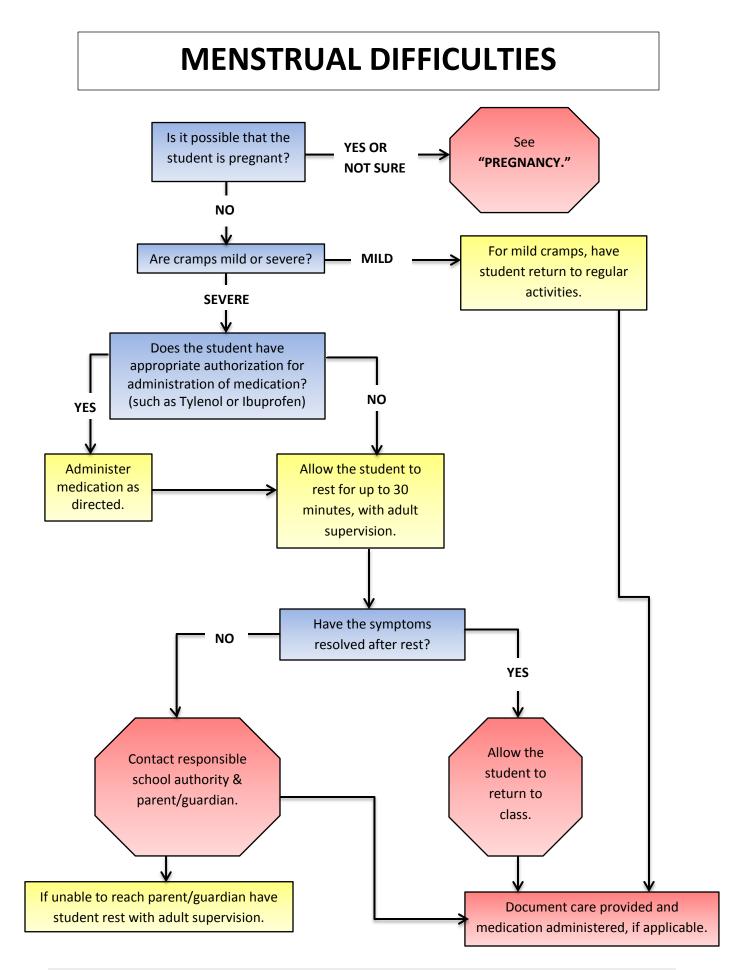


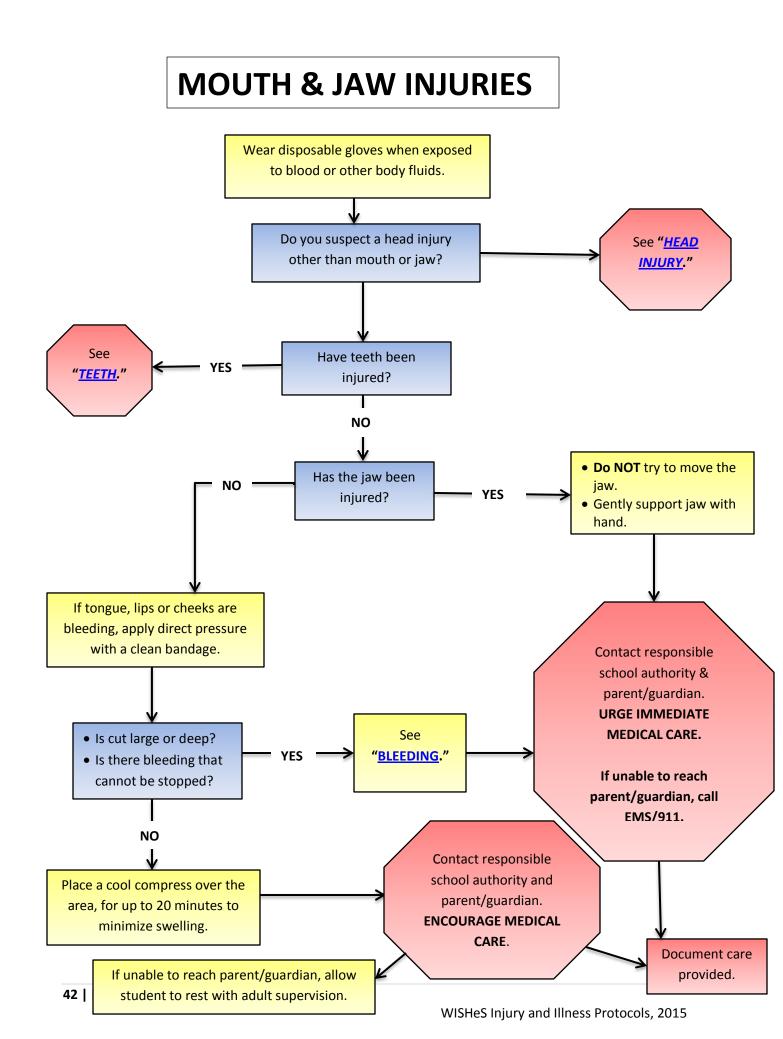


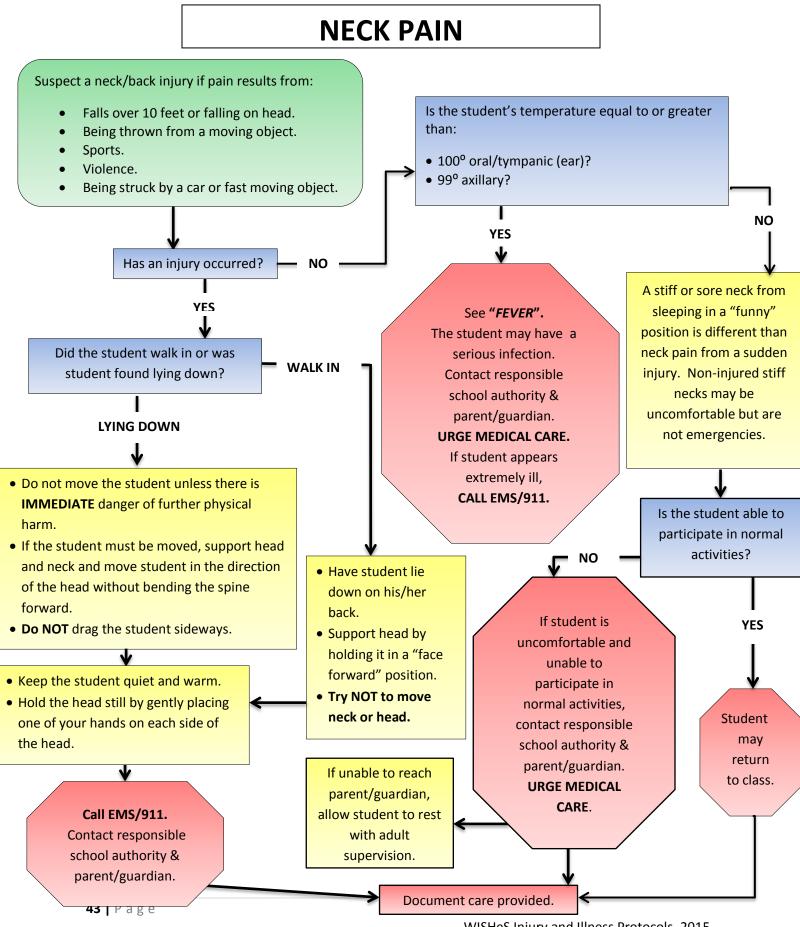


HYPOTHERMIA (EXPOSURE TO COLD)



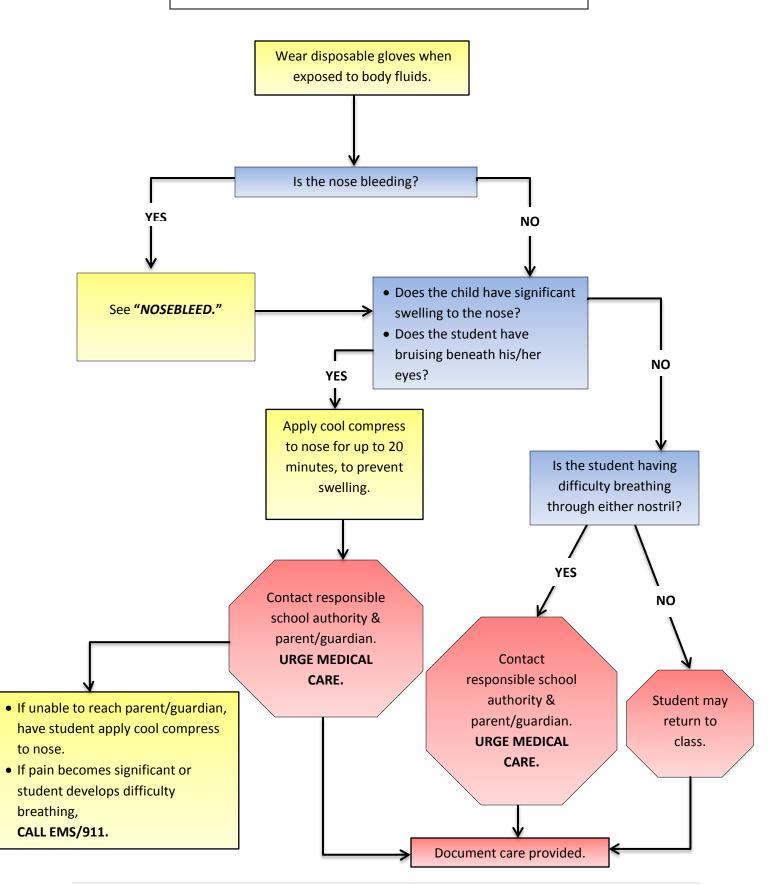


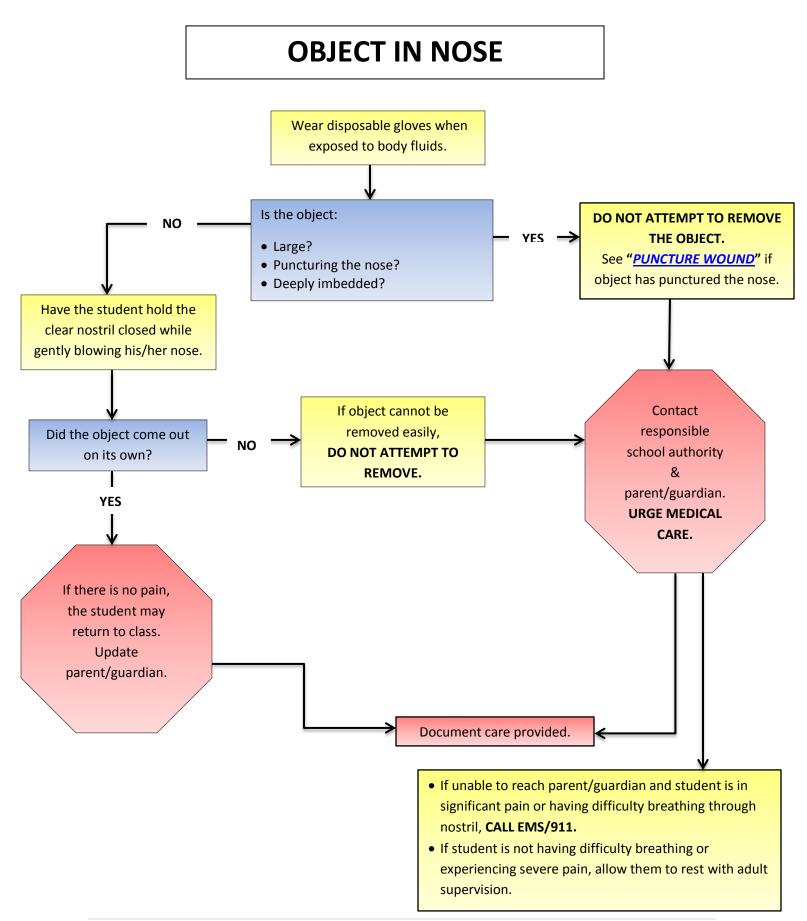


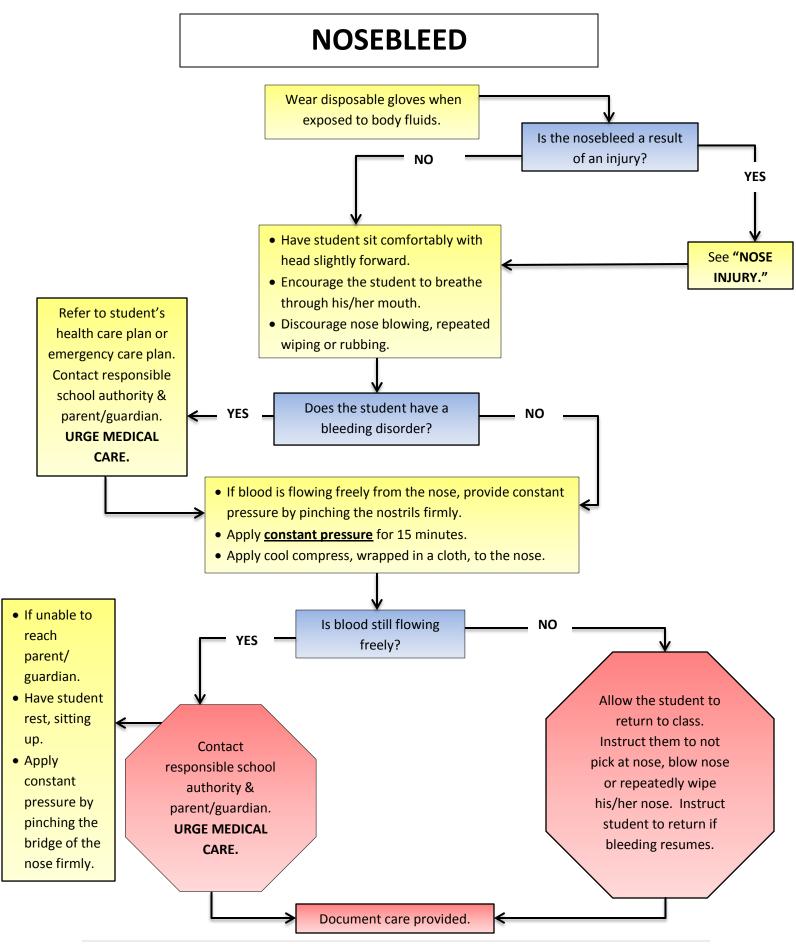


WISHeS Injury and Illness Protocols, 2015

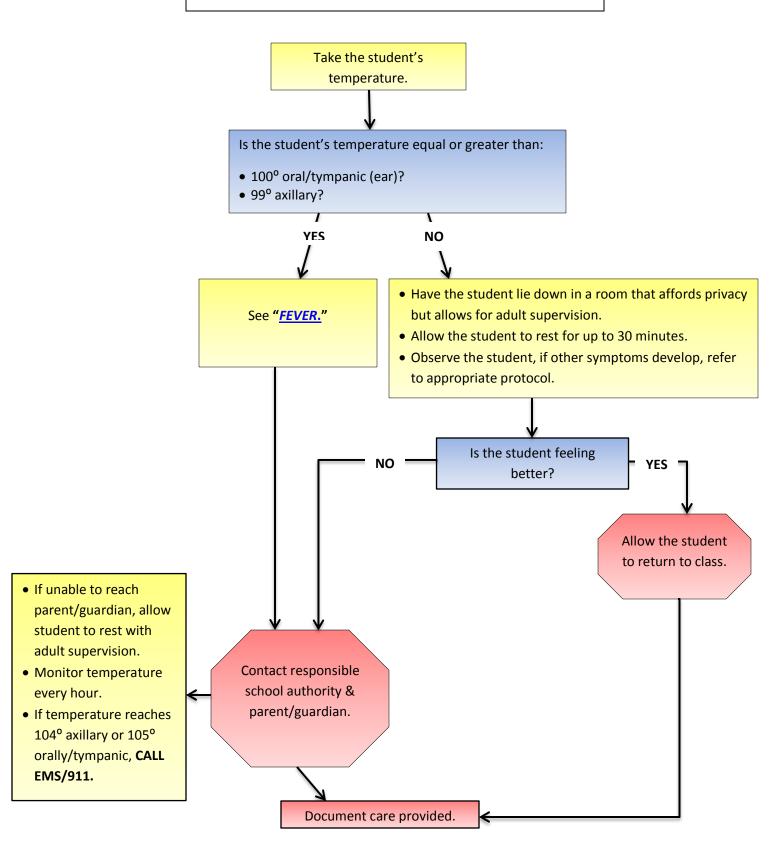
INJURY TO NOSE

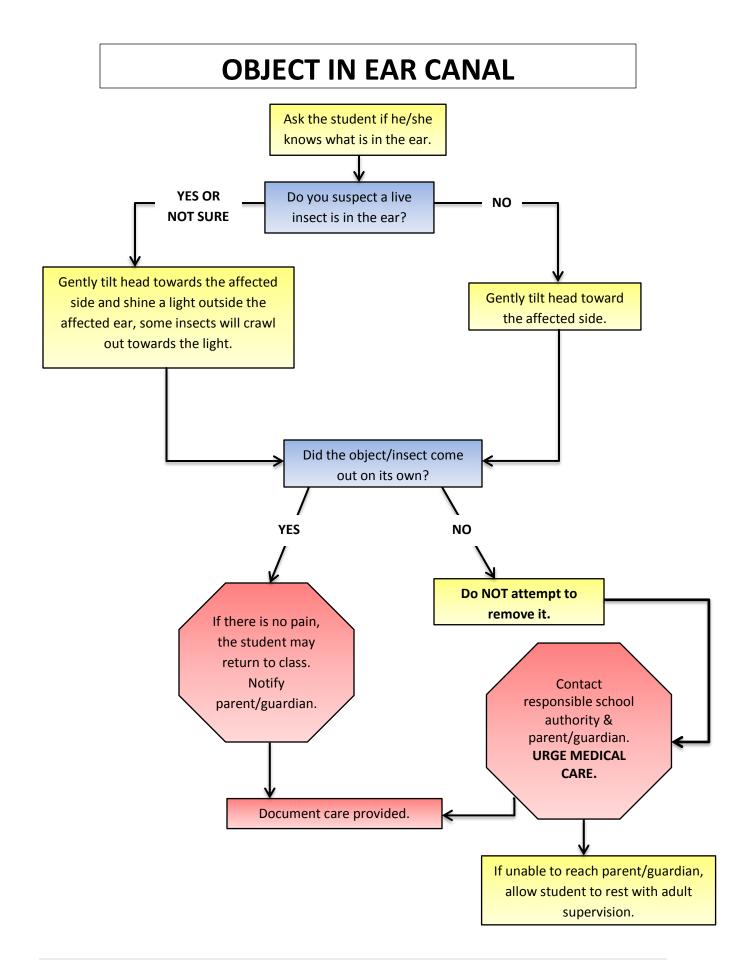






NOT FEELING WELL





POISONING AND OVERDOSE

Poisons can be swallowed, inhaled, absorbed through the skin or eyes, or injected. Call Poison Control when you suspect poisoning from:

- Medicines.
- Insect bites and stings.
- Snake bites.
- Plants.
- Chemicals/cleaners.
- Drugs/alcohol.
- Food poisoning.
- Inhalants.
- Or if you are not sure.

 Do not induce vomiting or give anything UNLESS instructed by Poison Control. With some poisons vomiting can cause greater damage.

- **Do NOT** follow the antidote label on the container, it may be incorrect.
 - If student becomes unconscious, place on his/her side.
 - Check airway.

• Look, listen and feel for breathing. If student stops breathing, start CPR.

Possible warning signs of poisoning include:

- Pills, berries or unknown substance in student's mouth.
- Burns around mouth or on skin.
- Strange odor on breath.
- Sweating.
- Upset stomach or vomiting.
- Dizziness or fainting.
- Seizures or convulsions.

• Wear disposable gloves.

- Check student's mouth.
- Remove any remaining substance(s) from mouth.
- If there is a powder on the student, shake or brush it off, do not apply water.

If possible, find out:

- Age and weight of student.
- What the student swallowed.
- What type of "poison" it was.
- How much and when it was taken.

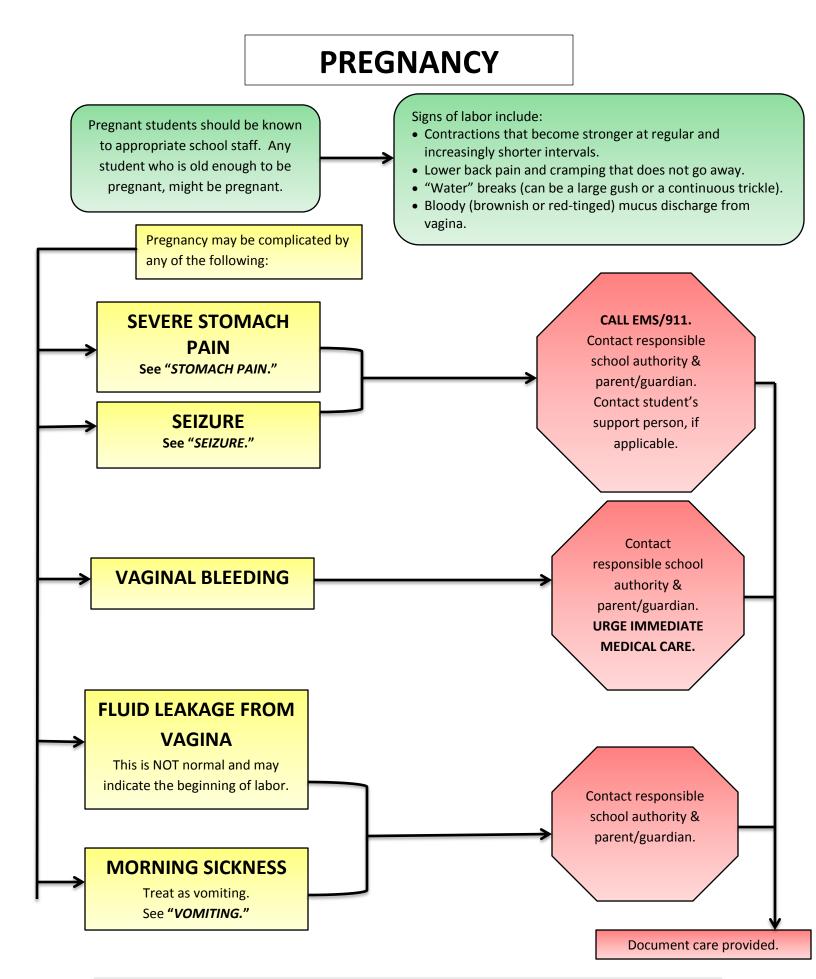
CALL POISON CONTROL. 1-800-222-1222 Follow their directions.

If possible, send some of the vomited material and ingested material with its container (if available) to the hospital with the student.

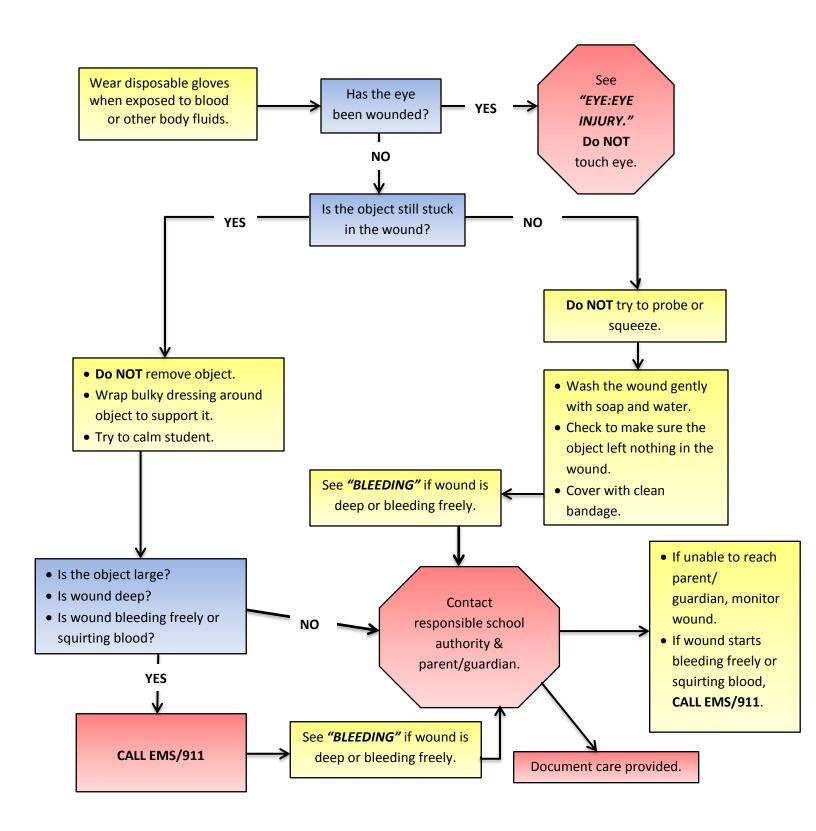
CALL EMS/911

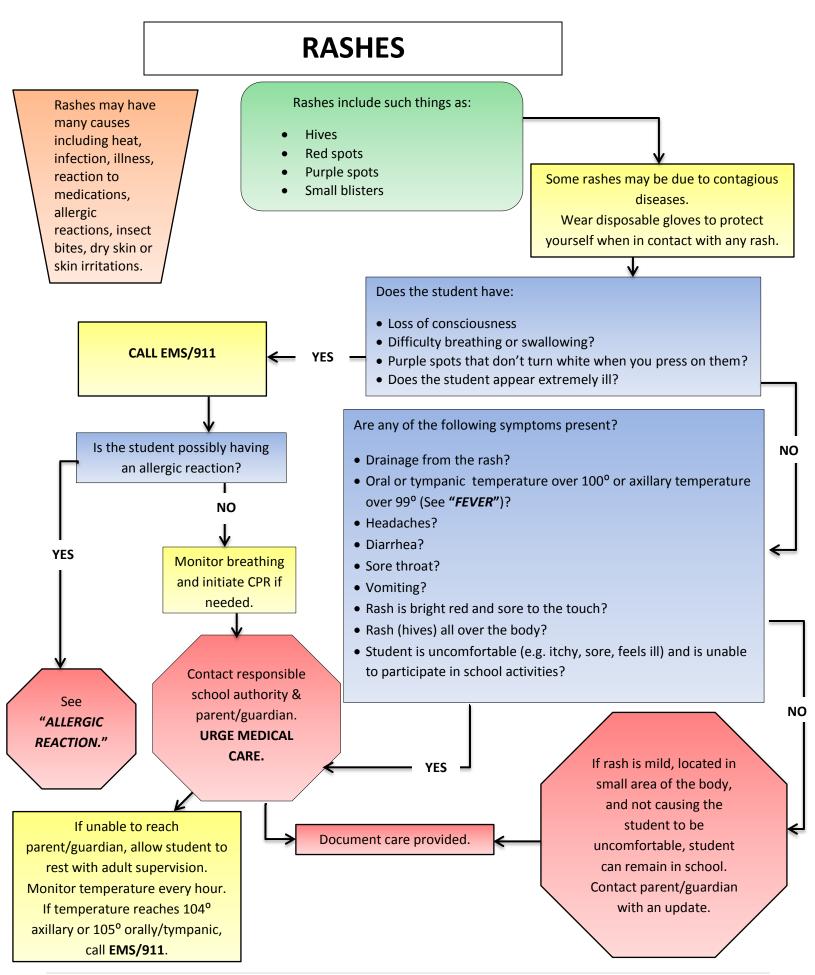
Contact responsible school authority & parent/guardian.

Document care provided.

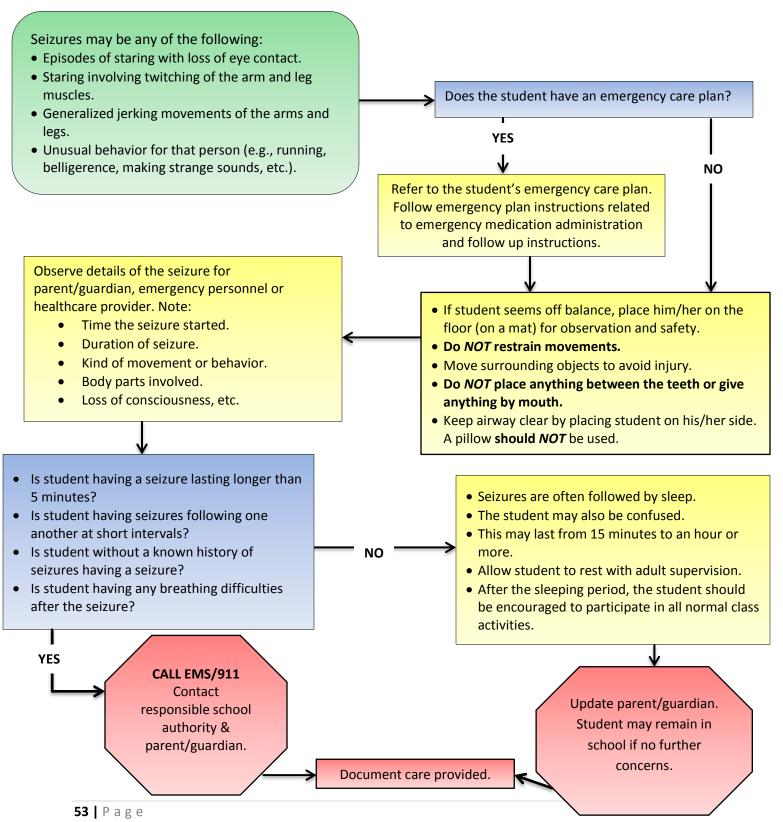


PUNCTURE WOUNDS



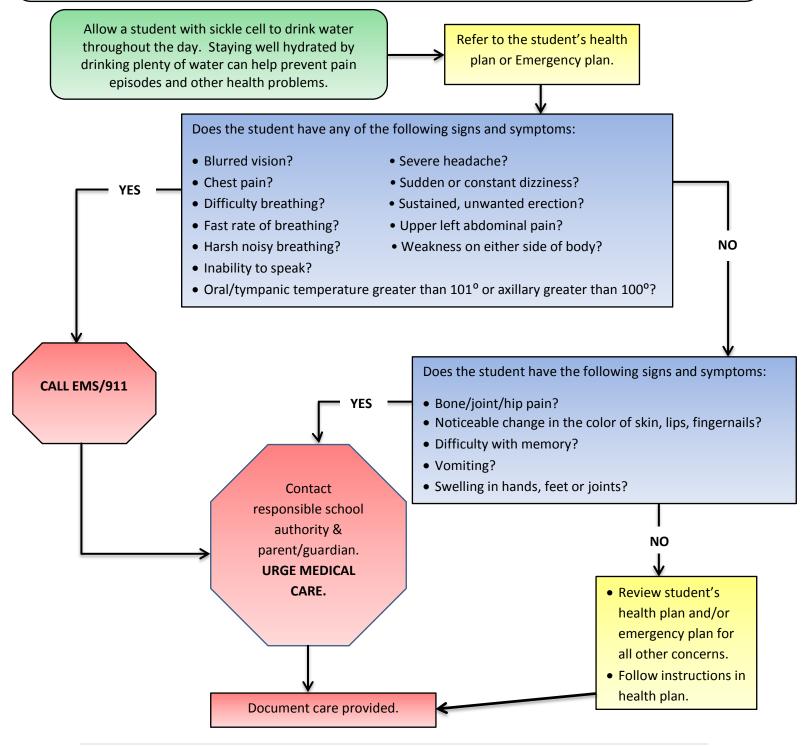


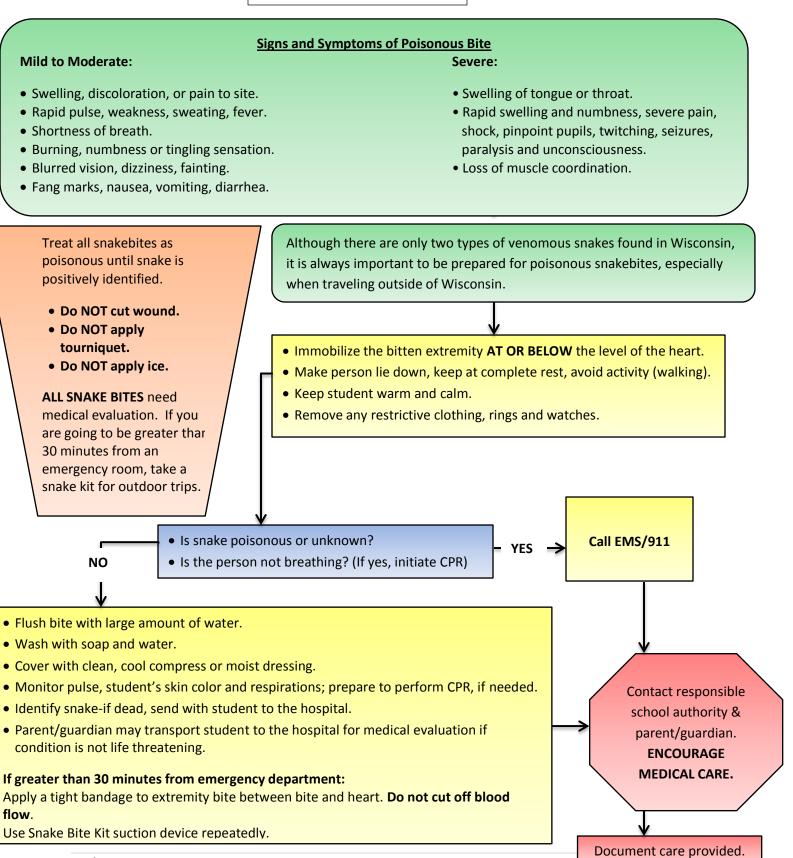
SEIZURES



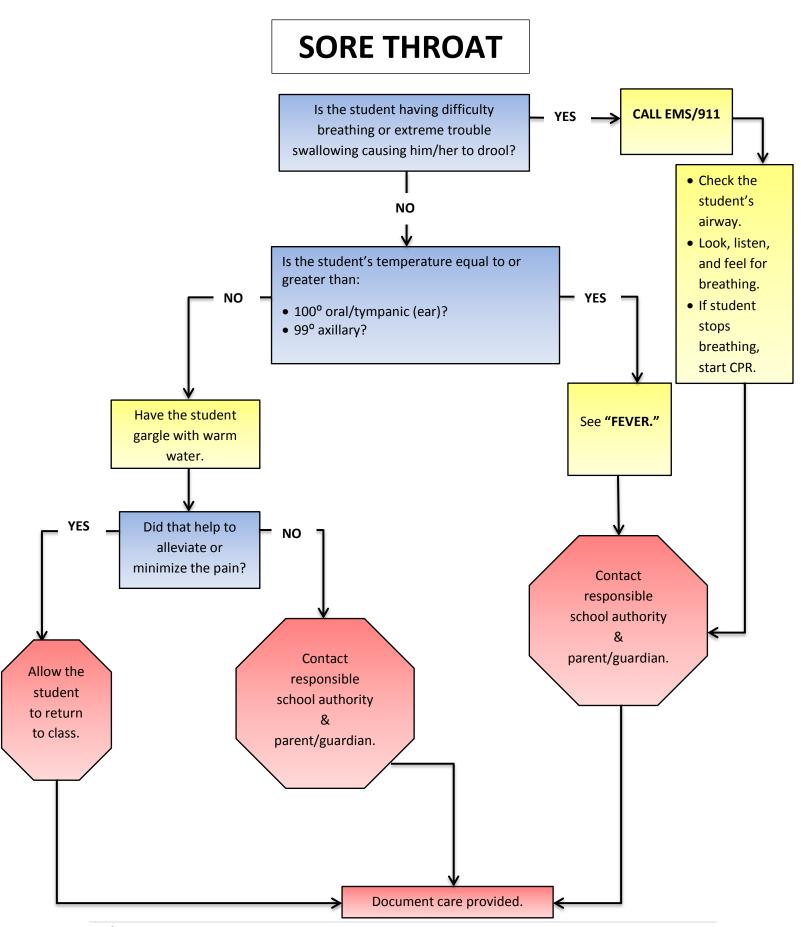
SICKLE CELL DISEASE

In sickle cell disease, the red blood cells become distorted and look C-shaped, like a sickle. Sickle cells die early, which leads to anemia. Also, these sickle-shaped blood cells tend to get stuck in narrow blood vessels and clog blood flow. This can cause severe pain and organ damage, especially to the spleen. People with sickle cell disease are susceptible to certain bacterial infections because of damage done to the spleen.

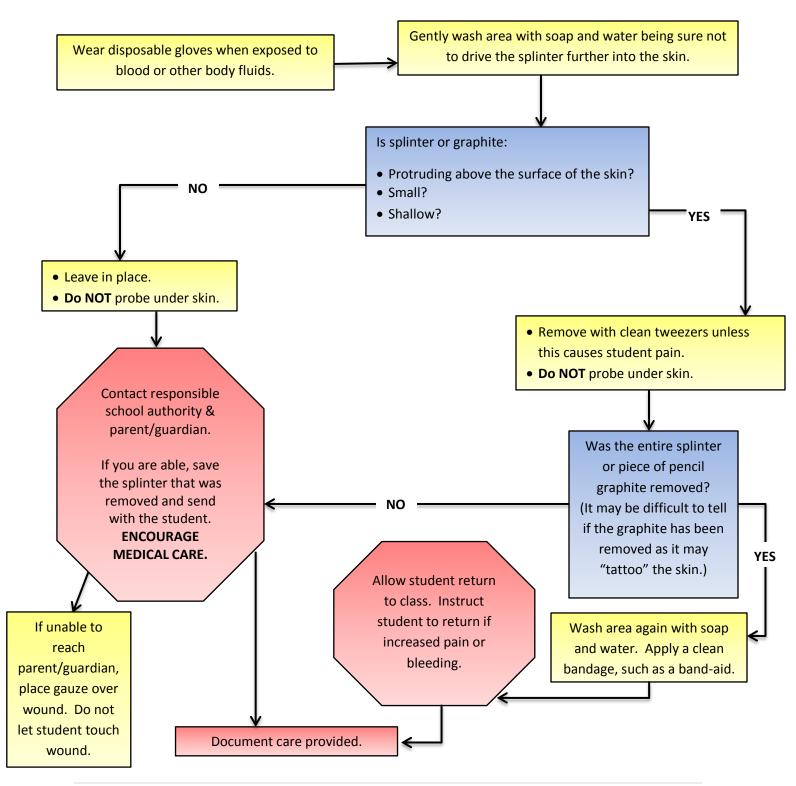




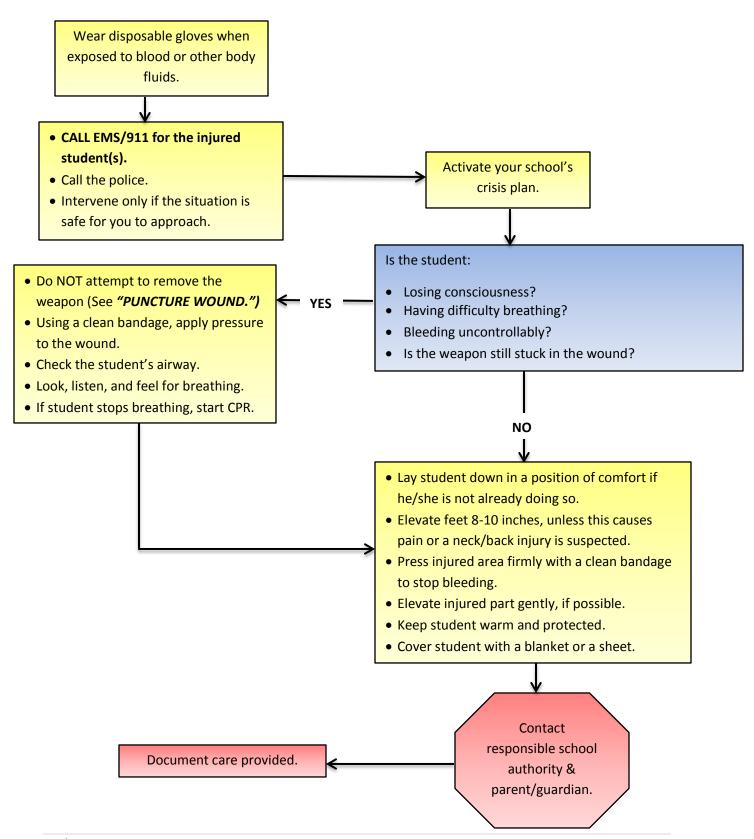
SNAKE BITE



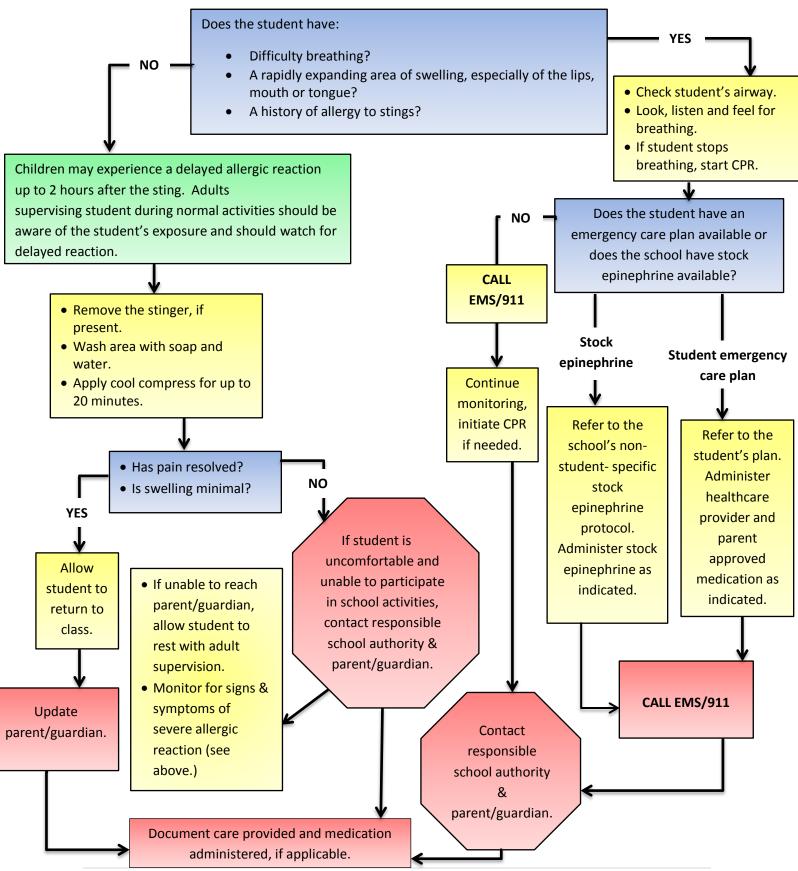
SPLINTERS OR IMBEDDED PENCIL GRAPHITE



STABBING & GUNSHOT INJURIES



STINGS



STOMACHACHES/PAINS Has a serious injury occurred resulting from: • Sports? Suspect neck injury. See "NECK PAIN" • Violence? and "BACK PAIN." YES • Being struck by a fast moving object? • Falling from a height? • Being thrown from a moving object? NO Is stomachache severe or not ¥ improving? • Is the student's temperature equal to NO or greater than: YES ○ 100° oral/tympanic (ear)? \mathbf{v} \circ 99° axillary? Contact Does the student complain of: Call responsible school EMS/911 • Severe stomach pains? authority & • Vomiting? parent/guardian. **URGE MEDICAL** CARE. NO YES • Allow the student to use the restroom. If unable to reach Allow student to rest for up to 30 parent/guardian, allow minutes with adult supervision. student to rest with adult supervision. Monitor temperature Has pain subsided? every hour. If YES Allow child temperature reaches to return to NO 104° axillary or 105° class. orally/tympanic, CALL EMS/911. Contact responsible school authority & Document care provided. parent/guardian.

TICKS

Wear disposable gloves when exposed to blood and other body fluids.

Wash the bite area gently with soap and water before attempting removal.

- There are a variety of tools that can be used to remove a tick.
- The key is to grasp the tick as close to the skin surface as possible, be careful to not squeeze the tick.
- Pull upward with steady, even pressure.
- **Do NOT** twist or jerk the tick as the mouth parts may break off.
- It is important to remove the ENTIRE tick.
- Take care not to squeeze, crush, or puncture the body of the tick as its fluids may carry infection.
- Never use petroleum jelly or a hot match to kill and remove a tick. These methods don't get the tick off the skin, and can cause the insect to burrow deeper and release more saliva (which increases the chances of disease transmission).
 - Place tick in plastic bag incase parent/guardian wants to have the tick identified.
 - Record the date and location of the tick bite.
- After removal, wash the area of the body where the tick was, thoroughly with soap and water.
- Wash your hands.
- Apply a bandage.

Document care provided.

Contact responsible school authority & parent/guardian. Student may remain in school. Send tick home with student.

Students should be

inspected for ticks after time in woods or brush. Ticks may

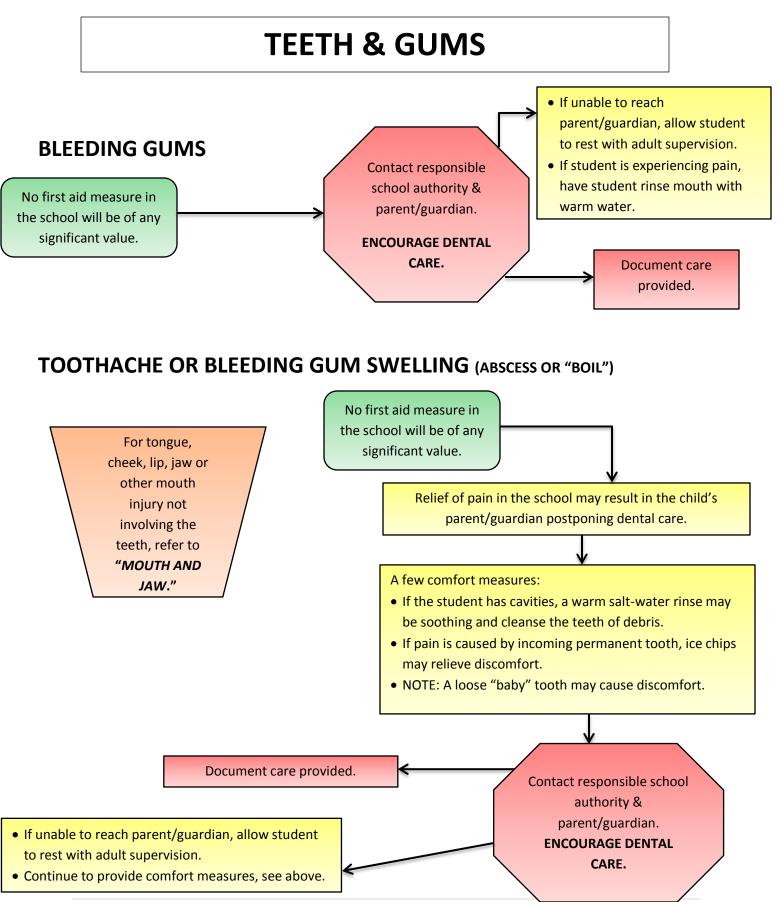
carry serious

infections and must be completely

removed. Do NOT

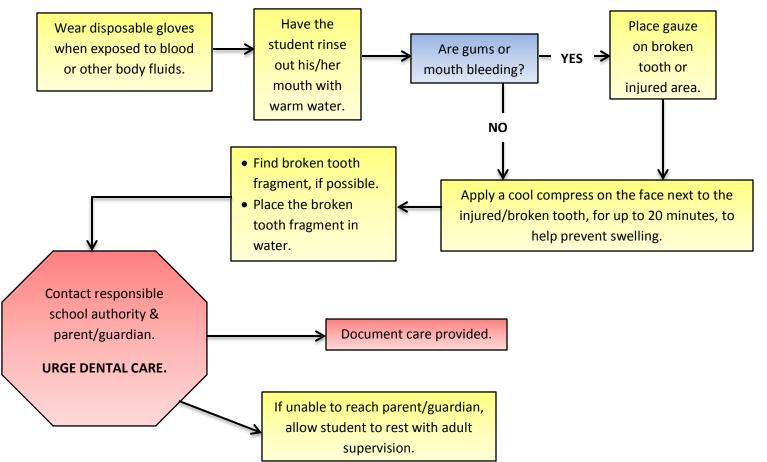
handle ticks with bare

hands.

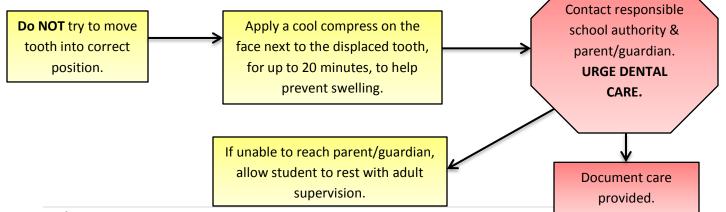


TEETH: CHIPPED, BROKEN OR DISPLACED

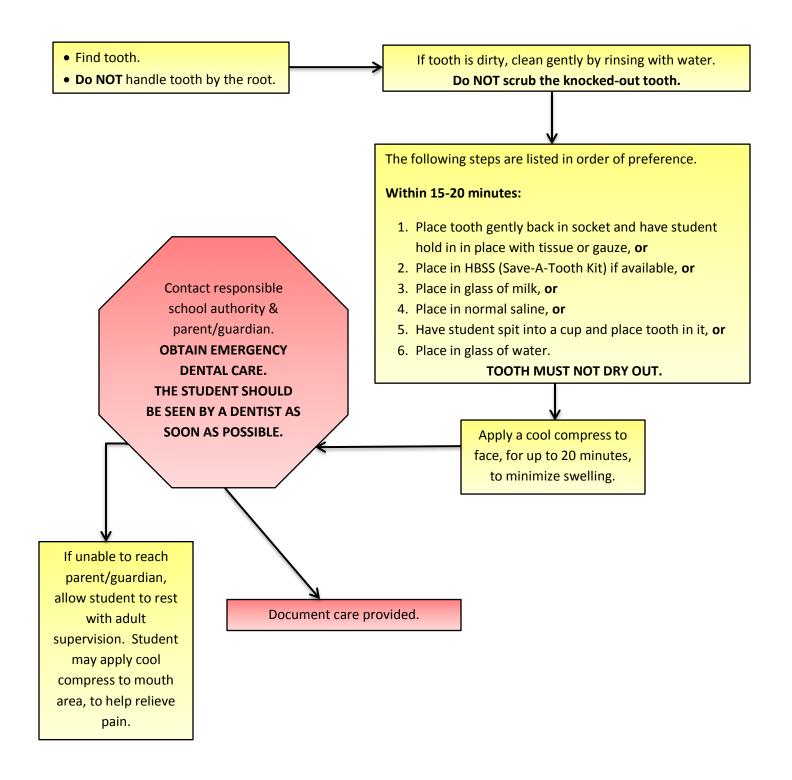
CHIPPED/BROKEN TOOTH:



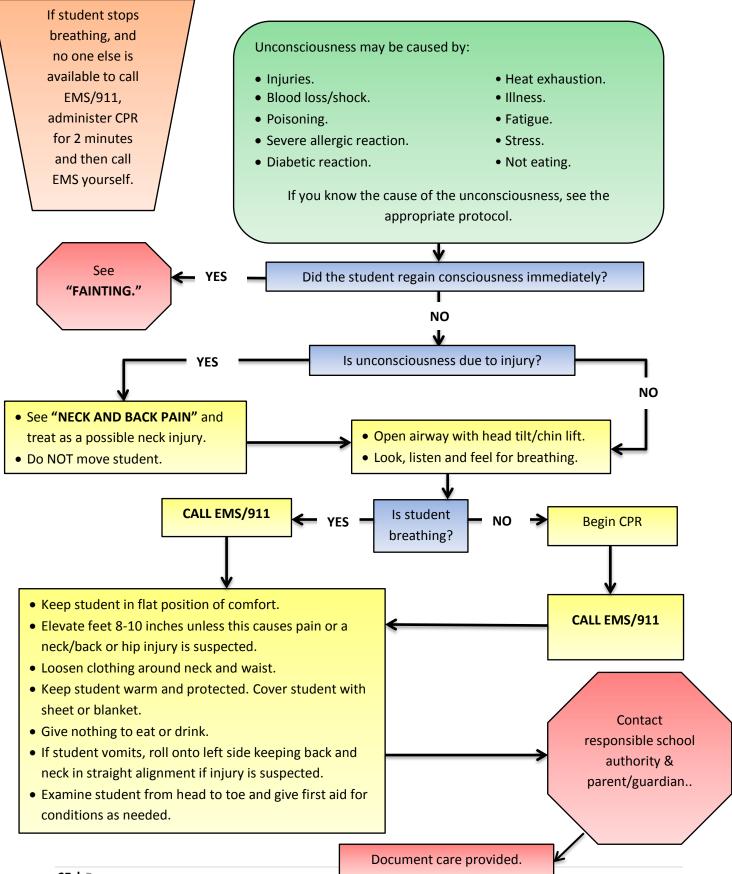
DISPLACED (LOOSENED) TOOTH:



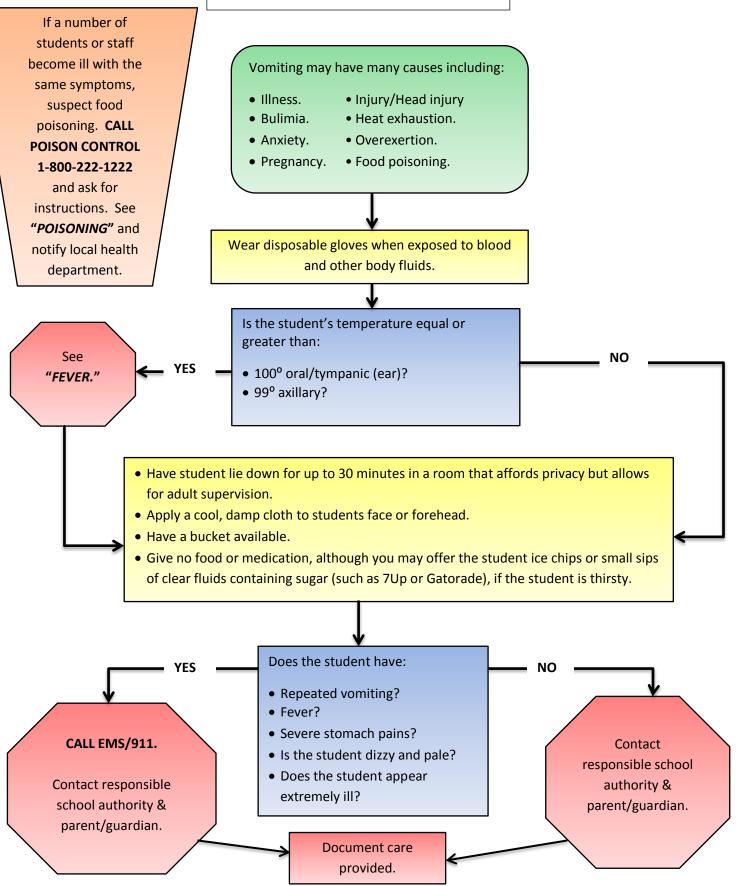
TEETH: KNOCKED OUT TOOTH



UNCONCIOUSNESS







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Appendix A:

The following Student Injury and Illness form has been developed in conjunction with the protocols. Districts are welcome to use these forms as a means of documenting the care provided to students and staff. It is recommended that some kind of written documentation be sent home to parent(s)/guardian(s) informing them of their child's injury or illness that occurred at school. A suggested way to accomplish this would be to print the following Student Illness and Injury form in duplicate and the duplicate copy can be sent home with the child.

The Student Illness and Injury form can also be found at: <u>http://www.wishesproject.org/wp-content/uploads/student-illness-injury-form.pdf</u>

STUDENT INJURY/ILLNESS FORM

STUDENT INFORMATION					
Student Name		Date			
Date of Birth		Grade		Male	Female
Check In Time		Check Out Time			

SCHOOL INFORMATION

School:

Principal:

ILLNESS/INJURY COMPL	ILLNESS/INJURY COMPLAINT (CIRCLE ALL THAT APPLY)					
Allergic reaction	Diarrhea	Head injury	Sickle cell			
Abrasion/Scratch	Difficulty breathing	Heat illness	Sore throat			
Asthma concern	Dislocation	Hypothermia/Frostnip	Splinter			
Behavioral health concern	Dizzy	Menstrual problems	Sting			
Bleeding	Ear problem	Mouth/Jaw injury	Stomachache			
Bite	Eye problem	Nose injury	Tick			
Blister	Facial sore	Nosebleed	Toenail injury			
Burn	Fainting	Not feeling well	Vomiting			
Cough	Fever	Pain:	Other:			
Cut/Laceration	Fingernail injury	Puncture				
Dental problem	Fracture	Rash				
Diabetes concern	Headache	Seizure				

TREATMENT PROVIDED (CIRCLE ALL THAT APPLY)					
Bandaid/Bandage applied	Medication administered:	Snack given			
Cool compress applied x min	Notified School Nurse	Temperature checked:			
Eye flushed	Parent/Guardian notified	Wound care			
Fluids given	Pressure applied xmin	Other:			
Heating pad applied xmin	Rest: minutes				

ADDITIONAL CARE PROVIDED

DISPOSITION (CIRCLE ALL THAT APPLY)				
EMS/911 called	Sent/Taken Home			
Parent decided to remove from school	Taken to healthcare provider/clinic/hospital/urgent care			
Return to class	Other:			

Signature of school staff:

Date:

The following form, **Report of Student Injury and First Aid** form was developed in conjunction with the Injury and Illness Protocols. This two-paged form allows for more detailed documentation of the injury and subsequent first aid provided to the student. This form can be used as the districts Accident Reporting Form, if the district does not already have one. This form can be used as an alternative to the Department of Public Instruction Student Accident Report, which can be found online at http://dpi.wi.gov/files/forms/doc/pod1945.doc. It is also recommended that some kind of written documentation be sent home to the parent(s)/guardian(s) following an accident or injury at school.

The WISHeS Report of Student Injury and First Aid form can be found at: <u>http://www.wishesproject.org/wp-content/uploads/Report-of-Student-injury-first-aid-form.pdf</u>

REPORT OF STUDENT INJURY AND FIRST AID FORM

STUDENT INFORMATION					
Student Name		Date			
Date of Birth		Grade		Male	Female
Date of Illness/		Time of illness/			
Injury		injury			

SCHOOL INFORMATION

School:

Principal:

ACCIDENT INFORMATION (CIRCLE THE APPROPRIATE CHOICE)				
Location of accident		When did accident occur?		
Athletic Field	Playground	After School	Lunch	
Bus	Pool	Athletic Practice	Other	
Cafeteria	Restroom	Athletic Team Competition	Physical Education Class	
Classroom	Stairway	Before School	Recess	
Gymnasium	Vocational/Shop Lab	Class Change	Unknown	
Hallway	Other	During Class		
Parking Lot		Field Trip		

SURFACE (CIRCLE ALL THAT APPLY)				
Asphalt	Gravel	Sand		
Carpet	Gymnasium floor	Snow		
Concrete	Ice	Synthetic Surface		
Dirt	Mat(s)	Tile		
Grass	Other	Wood Chips/Mulch		

TYPE OF INJURY (CIRCLE ALL THAT APPLY)							
Head	Jaw	Elbow	Chest/Ribs	Leg	Abrasion	Cut/Laceration	Other
Eye	Chin	Forearm	Back	Knee	Scrape	Dislocation	
Ear	Neck/Throat	Wrist	Abdomen	Ankle	Bite	Fracture	
Nose	Collarbone	Hand	Groin	Foot	Bump/Swelling	Pain/Tenderness	
Mouth/Lips	Shoulder	Finger	Genitals	Тое	Bruise	Puncture	
Tooth/Teeth	Upper Arm	Fingernail	Pelvis/Hip	Toenail	Burn/Scald	Sprain	

CONTRIBUTING FACTORS (CIRCLE ALL THAT APPLY)

		-		
Animal Bite	Contact with Hot or Toxic Substance	Foreign Body/Object	Slipped	Unknown
Collision with Object	Drug, Alcohol or Other Substance Involved	Hit with Thrown Object	Struck by Auto, Bike, etc.	Weapon
Collision with Person	Fall	Other	Struck by Object (bat, swing, etc.)	
Compression/Pinch	Fighting	Overextension/Twisted	Tripped	

DESCRIPTION OF THE INCIDENT			
Witnessed by:			

STAFF INVOLVED (CIRCLE THE APPROPRIATE STAFF)		
Assistant Staff	Nurse	
Bus Driver	Principal	
Coach	Secretary	
Custodian	Teacher	
Dietary (Cafeteria) Staff	Other	

INCIDENT RESPONSE			
First Aid	Time:	By Whom:	
Parent/Guardian Notified	Time:	By Whom:	
Unable to Contact Parent/Guardian	Time:	By Whom:	
CIRCLE APPROPRIATE CHOICE(S)			
Parents deemed no medical action necessary	Return to class	Sent/Taken Home	
Called EMS/911	Taken to healthcare provider/clinic/hospital/urgent care	School Nurse called	
Other			

CARE PROVIDED TO THE STUDENT		
OTHER COMMENTS		
SIGNATURE OF STAFF PERSON COMPLETING THE FORM:	DATE:	
SIGNATURE OF PRINCIPAL:	DATE:	
SIGNATURE OF SCHOOL NURSE:	DATE:	