

Return to learn guidelines

Stage of healing	Home activity	School activity	Physical activity
Stage 1—Your child still has many symptoms and problems	 Complete rest in a quiet room Allow as much sleep as possible Limit things that require your child to think, focus, reason or remember Remove any electronics and computers from your child's room Remove any activity planners and "to-do" lists from your child's room Give your child plenty of fluids to drink Feed your child small, frequent meals during the day and at bedtime Give your child plenty of carbohydrates to eat, such as whole grain breads and cereals, pasta and rice 	Your child may not go to school. It is typical to rest for 24 to 48 hours and monitor if symptoms improve	See Stage 1 in next chart
Stage 2—Your child still has some symptoms and problems	 Stay in quiet rooms Allow for enough sleep—at least eight hours Allow your child to use TV, video games, texting, social media and email for a short time—fewer than two hours a day, for example, he might have 20 minutes of brain work followed by a one-hour brain break Help your child to not stress over missed school work Continue with fluids, small, frequent meals and carbohydrates, as in Stage 1 As your child has less symptoms, begin adding homework in short sittings to avoid falling behind 	 Return to school for half days Attend core classes only or have shortened class time Rest in the nurse's office between classes and as needed Your child may not take tests or quizzes Use preprinted class notes Complete short homework assignments—work 20 minutes at a time with rest breaks in between Talk with the school nurse or teacher about academic accommodations from your doctor, and create a plan Avoid very loud noises, like music and noise in cafeterias, at PE and at recess 	See Stage 2 in next chart
Stage 3— Your child's symptoms and problems have gone away	 Slowly return to watching TV, playing video games and texting Allow family interactions again Continue with fluids, small, frequent meals and carbohydrates, as in Stage 1 	 Your child may gradually return to a full day of classes He may need to schedule make-up work, tests and quizzes He may take one test or quiz a day with extra time as needed, to complete Tell the school nurse or teacher if any symptoms or problems return 	See Stages 2-4 in next chart
Stage 4—Your child seems back to normal	Your child may have near normal home and social interactions	Your child may begin to complete past assignments to catch up on school work	See Stages 5 and 6 in next chart
Stage 5—Your child may return to full activities	Your child may return to normal home and school interactions after five days of no symptoms	Your child may return to normal school function without the need for extra accommodations or restrictions	See stage 7 in next chart







Concussion nurse: 404-785-KIDS (5437)

This is general information and is not specific medical advice. Always consult with a doctor or healthcare provider if you have any questions or concerns about the health of a child.

Return to play and sports guidelines



Stage of healing	Activity allowed	Examples of sports	Examples of other activities	Goal
1	No activity Complete cognitive and physical rest	Complete physical rest	 Quiet time with rest Avoid groups, videos, reading, computers, video games, cell phones, noisy places 	Brain rest and healing BECOME FREE OF SYMPTOMS
2	Light aerobic activity	 10-15 minutes of walking or stationary bike Light sweat on the brow Slight increase in breathing rate 	Walk in park or neighborhoodAvoid group activities	Increase heart rate to 30 to 40 percent at most
3	 Moderate aerobic activity Light resistance training 	 20-30 minutes of jogging or stationary bike Arm curls, shoulder raises, or leg lifts with weights that can be comfortably lifted One set of 10 repetitions for each activity 	 Supervised play Low risk activities such as dribbling a ball, playing catch, changing directions, jumping, side-to-side slides, chasing a ball or catching a ball on the run 	 Increase heart rate to 40 to 60 percent max Add resistance Use eyes to track objects
4	 Intense aerobic activity Moderate resistance training Sport-specific exercise 	 40-60 minutes of running or stationary bike Same resistance exercises with weight for three sets of 10 reps Pre-competition warm-up such as passing a soccer ball, throwing a football or doing ladder drills 	 Supervised play Moderate-risk activities, such as balance and agility drills No head contact activities Can sweat and breathe heavy 	Increase heart rate to 60 to 80 percent max Increase resistance Mimic the sport
5	Controlled- contact training drills	 60-90 minutes of time on the field, court or mat for specific drills Take part in normal practice session Contact that is normally part of the sport—only use items that "do not hit back" such as a sled in football Recheck for symptoms or problems often 	 Free play Run and jump as able Full return to PE Recheck for symptoms or problems often 	Mimic the sport or free play without the risk of head injury
6	Full-contact practice	After OK from the doctor, may take part in normal training activities	With parent or adult supervision, may take part in normal activities	Build confidence Assess skills
7	Return to play	Normal game play	Normal playtime and activities	No restrictions

Maximum heart rate is determined by subtracting the athlete's age from 220 and multiplying by the percentage. For example:

- Your target or ideal heart rate for exercise during Stage 2 is usually 30 to 40 percent of your maximum heart rate.
- To find your maximum heart rate, subtract your age from 220.
- If you are 15 years old, subtract 15 from 220 = 205.
 Next, multiply that number by 30 and 40 percent. This will give you a target heart rate for exercise in Stage 2.
- 205 times 30 percent = 62 beats a minute.205 times 40 percent = 82 beats a minute.
- This means that your target heart range for exercise in Stage 2 is between 62 and 82 beats a minute.

- Allow 24 hours between each activity stage in the chart.
 This means that it will take at least seven days to return to full activity.
- For your child to move from one stage to the next, he must be able to do an activity at 100 percent without symptoms or problems for 24 hours.
- If any symptoms return, it means his brain is not ready for the next stage and he should drop back to the previous stage.
- Once your child has no symptoms again for 24 hours, he can try the activities in that stage again.

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