## Sleep and the Lifecycle of an Athlete

| LTAD Stage <br> Specific Sleep Recommendations | Sleep Recommendations |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Duration (hrs/night) | Quality | Phase | Key Points |
| Active Start (Females \& M ales 0-6 years) | 13-16 | - Establish and maintain a sleep/nap routine <br> - Ensure a comfortable/safe sleep environment <br> - Avoid stimulation 1-2 hrs before bed; minimize" "screen time" | - Consolidate nighttime sleep period <br> - Decrease naps to $1-2 /$ day in the first year <br> - Natural light exposure first thing in the morning | - Establish stable sleep routines and a bedtime routine <br> - Use a sleep transition object <br> - Introduce independent sleep initiating behaviors |
| FUNdamentals <br> (Females 6-8, Males 6-9) | $\begin{gathered} \begin{array}{c} 10-11 \\ + \\ 30 \text { min nap } \\ \text { between } 2-4 \mathrm{pm} \end{array} \end{gathered}$ | - Maintain a regular sleep/nap routine <br> - Ensure a comfortable sleep environment <br> - Establish independent sleep initiating behaviors <br> - Observe sleep for sleep disorders | - Establish a neutral sleep pattern between 9pm and 8am <br> - Encourage predictable afternoon nap/ rest <br> - Establish reliable meal routines (breakfast is the most important meal of the day) | - Reinforce 15-30 min bedtime routine <br> - Avoid stimulation 1-2 hours before bed, control "screen time" <br> - Good nutrition and meal routines reinforce sleep routines |
| Learn to Train <br> (Females 8-11, <br> Males 9-12) | $\begin{gathered} \begin{array}{c} 9.5-10 \\ + \\ 30 \text { min nap } \\ \text { between 2-4pm } \end{array} \end{gathered}$ | - Maintain a regular sleep/nap routine <br> - Ensure a comfortable sleep environment <br> - Observe sleep for sleep disorders | - Maintain Neutral sleep pattern <br> - Get early morning light exposure for 30 min. daily* <br> - Maintain reliable nutrition routines (breakfast is the most important meal of the day) | - Maintain 15-30 min. bedtime routine <br> - Monitor and control "screen time" <br> - Monitor caffeine intake |
| Train to Train <br> (Females 11-15, <br> Males 12-16) | $\begin{gathered} 9 \\ + \\ 30 \text { min nap } \\ \text { between 2-4pm } \end{gathered}$ | - Ensure a comfortable sleep environment <br> - Initiate regular napping strategy <br> - Monitor for excessive sleepiness and fatigue <br> - Observe sleep for sleep disorders | - Maintain a regular sleep/nap routine <br> - Get early morning light exposure for 30 min. daily* <br> - Monitor for a delayed sleep phase (difficulty falling asleep and waking up for school) <br> - Maintain reliable nutrition routines (breakfast is the most important meal of the day) | - Reinforce the importance of sleep routine <br> - Monitor for cumulative sleep debt (<9 hours/night or <56 hours/week) <br> - Monitor caffeine intake <br> - Do not train on an unrested body |
| Train to Compete <br> (Females 15-21 +/-, <br> Males 16-23 +/-) | $\begin{gathered} \begin{array}{c} 8-10 \\ + \\ 30 \text { min nap } \\ \text { between } 2-4 \mathrm{pm} \end{array} \end{gathered}$ | - Ensure a comfortable sleep environment when travelling and competing <br> - Monitor for competition stress and anxiety $\rightarrow$ insomnia <br> - Monitor for excessive sleepiness and fatigue <br> - Observe sleep for sleep disorders | - Maintain regular sleep/nap routine <br> - Monitor for a delayed sleep phase (difficulty falling asleep and waking up for school) <br> - Get early morning light exposure for 30 min. daily <br> - Maintain reliable nutrition routines (breakfast is the most important meal of the day) | - Focus on reducing sleep debt. Get 56-70 hours of sleep/week <br> - Do not train if unrested and sleep deprived <br> - Avoid technology (screen time) before bed <br> - If your sleep is poor seek help |
| Train to Win <br> (Females 18 + , Males 19+) | $\begin{gathered} \begin{array}{c} 8-10 \mathrm{hrs} \\ + \\ 30 \text { min nap } \\ \text { between 2-4pm } \end{array} \end{gathered}$ | - Ensure a comfortable sleep environment when travelling and competing <br> - Monitor for competition Stress \& anxiety $\rightarrow$ insomnia <br> - Observe sleep for sleep disorders | - Maintain regular sleep/nap routine <br> - Monitor for a delayed sleep phase (difficulty falling asleep and waking up for school) <br> - Get early morning light exposure for 30 min. daily* <br> - Maintain reliable nutrition routines (breakfast is the most important meal of the day) | - Focus on reducing sleep debt. Get 56-70 hours of sleep/week <br> - Do not train if unrested and sleep deprived <br> - Avoid technology (screen time) before bed <br> - If your sleep is poor get help |
| Active for Life (Any age participant) | $\begin{gathered} \begin{array}{c} 7-9 \\ + \\ 30 \text { min nap } \\ \text { between } 2-4 \mathrm{pm} \end{array} \end{gathered}$ | - Maintain a regular sleep/nap routine keep your sleep debt to a minimum <br> - Ensure a comfortable sleep environment <br> - If your sleep is poor quality seek help! | - Maintain a regular sleep schedule <br> - Get early morning light exposure for 30 min daily <br> - Maintain reliable nutrition routines (breakfast is the most important meal of the day) | - Get your sleep! <br> - Maintain meal routines and always eat breakfast <br> - Learn to nap <br> - Do not train if you are fatigued or sleep deprived |

