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qwertyui	o p		The NYSI app offers info
asurynjk	1		tools to track key aspects













































Training/ competition	Before	During	After
Stay hydrated	\checkmark	\checkmark	
Replenish/ maintain energy	\checkmark	\checkmark	
Repair Training adaptation (only applicable for training)	\checkmark	X	\checkmark



Training/ competition	Before	During	After
Stay hydrated	\checkmark	\checkmark	
Replenish/ maintain energy	\checkmark	\checkmark	
Repair Training adaptation (only applicable for training)	1	Х	

Nutrient required		
Training/ competition	Before	
Stay hydrated	Fluid	
Replenish/ maintain energy	Carbohydrates, vitamin and minerals	
Repair	Repairs: Protein, vitamin and minerals	
Training adaptation (only applicable for training)	Training adaptation: Protein and Carbohydrates	













Training/ competition	Before	During	After
Stay hydrated		\checkmark	
Replenish/ maintain energy		\checkmark	\checkmark
Repair Training adaptation (only applicable for training)	\checkmark	X	

Post-exercise meal/ snacks

Window of Opportunity Within 45 minutes post training and competition

































































~Albert Einstein~







So How much does my athlete need?

Carbohydrates

• These amounts depends on the intensity, duration and environmental conditions

Activity level	Carbohydrate target
Low intensity or Skilled-based activities	3—5g /kg/ day
Moderate exercise programme (~1 hour per day)	5—7g/kg/day
Endurance programme (e.g. 1 to 3 hours per day of moderate to high intensity exercise	6—10g/kg/day
Extreme commitment (i.e. > 4—5 hours per day of moderate to high intensity exercise)	8—12g/kg/day

So How much does my athlete need? Protein

• Take note that these estimated intakes can be generally be met through diet alone.

Group	Protein intake (g/kg/day)
Sedentary men and women	0.8-1.0
Competitive/ elite Youth athletes	~1.3-1.8
Youth athletes: during periods of intensified training/ reduced energy intakes	Up to 2.5
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