What are they?
Input Metrics are the skill-based measures used to adjust technique. Output Metrics are time, speed, and efficiency-based elements influenced by skill execution.

Here's what they are and where they are in the three phases of swimming: Overwater, Underwater and Transitions.




Output Metrics
water $\bullet$ Average speed during underwater phase.

Percent of time underwater $\odot$ overwater

Underwater
These metrics measure your performance, skills and speed in all actions between pushoff and breakout.

## put Metrics

Time Underwater $\bullet$ ime in underwater phas Max Depth Underwater $\begin{aligned} & \text { Maximum depth during underwater phase. }\end{aligned}$ Push-off Depth $\odot$
Depth of head as feet leave wall (optimal depth 50 cm below surface).

## Overwater

These metrics measure your peed in actions done during the stroking portion of each lap.

## Input Metrics

Strokes
Number of Stroke
Breaths ©
Number of breaths
Average Distance per Stroke.
Stroke Rate 0
Average time of each stroke cycle, including all
Stroe first stroke cycle
Stroke Rate / Cycle Time for the 2nd to 6th
cycles of a split. First cycle is not included in the
calculation.
Stroke Rate Mid
Stroke Rate / Cycle Time for the middle 4
Stroke Rate / Cycle
cycles of a split.
Stroke Rate End ©
Stroke Rate / Cycle Time for the final 4
Stroke Rate / Cycle Time for the final 4
cycles of a split.
Intra-Cycle Variation (ICV)
cycles of a split.
Intra-Cycle Variation (ICV)
Measures velocity changes of each stroke
separately for left and right arm strokes, with or without breaths.

## Output Metrics

speed Overwater ©
Average speed during overwater phase, from Aveakout to last stroke.
Stroke Index
istance per cycle (both arms stroke) x Average Speed.
SWOLF
Swim Golf: Split Seconds + Strokes. Like in real golf, the lower the score, the better.
Time in overwater $\boldsymbol{\otimes}$, from breakout to last stroke.

Transitions
These metrics measure your performance, skills and speed in all pertions done during your starts and turns.

Input Metrics
Push Time ©
Time spent pushing off the wall. from when feet first
Turn Time $\bullet$
Time to change directions, from when the head dips below the water to when feet hitially hit the wall (for flip turns).

Turn Rate $\rightleftharpoons$
The speed of your turn measured by the speed of your revolutions.
Push Max Accel © sometimes referred to as Peak Push ivecteration during push-off.

Time from feet off the block to dive entry into wate.
Dive Block Time ovement to feet off.

General Metrics
These are the outputs of all the other metrics. If you want improve specific techniques based on the other metrics listed in the three phases.

Min Heart Rate $\boldsymbol{\otimes}$
The lowest heart rate
The lowest heart rate recorded during a lap.
Max Heart Rate $\boldsymbol{X}$
The highest heart rate recorded during a lap.
Average Heart Rate $\boldsymbol{\otimes}$ form all samples captured during a lap.


Split Time $\boldsymbol{\otimes}$
-imming time in milliseconds for the length (called time in the app).

## Pace $\boldsymbol{\otimes}$

efers to your average speed over full split (split time divided by pool length). Note that you can from your settings during a Live Activity.

