



## Concacaf Men's National Team Ranking

### Overview

The Concacaf Men's Senior National Team Ranking is a ranking of all 41 Member Associations, that is based on their historical and recent results in all competitive and friendly matches.

The ranking, which was developed by Concacaf in close cooperation with Hypercube, a company from the Netherlands that has also developed important football rankings such as the Euro Club Index and the UEFA National Team Coefficient, will play a key role in determining qualification for important regional and international championships going forward.

### Ranking Procedure

The statistics-based algorithm awards teams a total number of points based on multiple factors, including the type of matches played (friendly or official), as well as the playing strength of the teams competing, the location of the match and the actual final result.

The total number of points for each of the 41 Member Associations at any given date is determined by adding the start ranking points as of July 1, 1990 and all the points obtained and lost in all matches played from then on.

### Calculation of Points for a Single Match

Formula:  $P = K * (R - E)$

P = Total number of points

K = Importance of the match

Friendly match = 17.5

Official Concacaf match = 35

FIFA World Cup match = 50

R = Actual result of the match

Win = 1

Draw = 0

Loss = -1

E = Expected result of the match

The expected odds of a match are based on the ranking difference between the two teams and the home field advantage.



For opponents outside of the Concacaf region, an assigned ranking is used.

$P(\text{win})$  is the probability of a win and  $P(\text{loss})$  is the probability of a loss, which are both numbers between 0 and 1. Now  $E = P(\text{win}) - P(\text{loss})$  is a number between -1 and +1. If the match is completely balanced, the expected result is 0. The bigger the surprise result, the more points are transferred.

A team will gain points if the result is better than expected and lose points if the result is worse than expected. The points gained by a team in a match are equal to the points lost by its opponent (zero-sum system).