Indoor Soccer/Futsal Facility Safety Assessment Tool

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Introduction

VYSA in cooperation with USYS and several state associations is making the following tool available to members to help them assess the safety of indoor facilities they plan to use for training, leagues or tournaments. This user friendly tool is meant to serve as a guide to help you understand how many players and coaches can safely attend an indoor training or event.

It should be noted that we know that any amount of indoor activity is more risky than outdoor with studies showing the transmission of the virus as much as 18-20 times more likely. However, it is also clear that indoor play can be done more safely in some facilities than others. VYSA strongly encourages using or attending events only in facilities that provide a safer experience. Clubs should keep in mind that the safest cold weather play is still outdoors. Clubs should consider only outdoor play this winter whenever possible.

This tool has been provided by the Iowa State Soccer Association and developed by:

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Table 1. Air Exchange Risk Stratification for Transmission of Respiratory Virus

	Air Exchange Rate (Air Changes per Hour or ACH)*	Risk Score
Highest Risk	<2	7
Higher Risk	2-3	6
Higher to Moderate Risk	4-5	5
Moderate Risk	6-7	4
Moderate to Lower Risk	8-9	3
Lower Risk	10-11	2
Lowest Risk	12+	1

*Recommendation: If ACH of facility cannot be obtained from the facility/is unknown, assume Moderate to High Risk (Risk Score of 5)

Reference: https://www.cdc.gov/infectioncontrol/guidelines/environmental/appendix/air.html

Table 2. Mask Risk Stratification for Transmission of Respiratory Virus

	Players wearing masks?*	Coaches wearing masks?*	Spectators wearing masks?*	Risk Score
Highest Risk	No	No	No	7
Higher Risk	No	No	Not Present	6
Higher to Moderate Risk	No	Yes	Yes	5
Moderate Risk	No	Yes	Not Present	4
Moderate to Lower Risk	Yes	No	Yes or Not Present	3
Lower Risk	Yes	Yes	Yes	2
Lowest Risk	Yes	Yes	Not Present	1

*This is masked at all times, even during play

Table 3. Facility Size Risk Stratification for Transmission of Respiratory Virus

	Playing/Practice Surface Area	Risk Score	Example
Highest Risk	<5,000 Square Feet	7	Elementary school/church gym
Higher Risk	5,000-10,000 Square Feet	6	Junior high school gym with 2 basketball courts
Higher to Moderate Risk	10,000-15,000 Square Feet	5	High school gym with 3 basketball courts
Moderate Risk	15,000-20,000 Square Feet	4	Small sized field in a medium sized sports facility
Moderate to Lower Risk	20,000-30,000 Square Feet	3	Half field or less in a large indoor sports complex
Lower Risk	30,000-60,000 Square Feet	2	Half to full field in a large indoor sports facility
Lowest Risk	>60,000 Square Feet	1	More than full field in large indoor sports complexes

Table 4. Overall Risk Interpretation and Recommendations

Cumulative Risk Score from Tables 1-3*	Overall Risk	Square Foot Soccer Area per Person Recommendation (Practice)**
<6	Very Low	Use outdoor protocols
7-8	Low	Use outdoor protocols
9-10	Moderate-Low	300
11-12	Moderate	600
13-15	Moderate-High	1000
16-18	High	2000/Consider not using
>18	Very High	Use not recommended

*Simply add the risk score from the 3 tables together to calculate the cumulative risk score.
**This includes players, coaches and spectators.

Example Calculation

A situation has a cumulative risk score of 13. This would yield a recommendation of 1000 square feet of playing surface area per person.

If a facility had a playing area of 26000 square feet, then only 26 players, coaches and spectators (26,000/1000) should be present at any one time.

However, if one changes the risk score by increasing air exchange or changing masking requirements and gets the cumulative risk score down to 10, then 87 persons (26,000/300) can be present.