



**SELTYTENDING**

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# ***The Seltenrich Statistic***

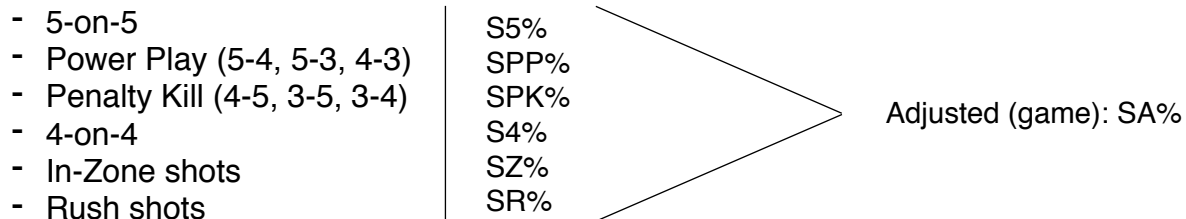
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## What does it measure?

- Measures: breakout success:



- Period by period; game summary; opponent faced summary; special teams summary
- Based on number of passes to breakout resulting from save selection of the goaltender

## Save selection marks

- Save selection is categorized by In-Zone, Rush, and other miscellaneous shot types, shooting and dumping plays.
- In-Zone and Rush shot save selection are categorized and indicated by the following marks:

	In-Zone	Rush
• Held	ZH	RH
• Rebound (near)	ZRN	RRN
• Rebound (far)	ZRF	RRF
• Rebound (slot)	ZRS	RRS
• Corner	ZC	RC
• Save, pass	ZP	RP
• Bobbled	ZB	RB
• Dump, Pass	DP	DP

## “Shot type” column

- In a column next to the indicated shot/save selection, the shot type, shooting or dumping play is indicated. Indicators in the “shot type” column are made with the following marks:

• Snapshot	• SN
• Slapshot	• SL
• Wrist shot	• WS
• Wraparound	• WR
• Partial break	• PB
• Breakaway	• B
• Face off shot	• FS
• No shot (dump, recovery)	• X

## “Play type” column

- A third, separate column opposite the “shot type” column indicates the circumstances of the save. Indicators in the “play type” column are made with the following marks:

• Powerplay	PP
• Penalty Kill	PK
• 4-on-4	4

- If save results in stoppage of play, it will also be marked in the “play type” column. See below for mark:

• Whistle	W
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\*Note that no mark for 5-on-5 is given. If save is made on even-strength shot, no mark shall be made and the “play type” column is left blank. Even-strength is assumed unless otherwise indicated.

## Unique marks

- In addition to save selection marks, marks in the “shot type” column, and marks in the “play type” column, certain game events are written independently and in place of any aforementioned marks, in the save selection mark column. No mark is made in any of the other columns. These select events are indicated by the following marks:

• Goal (on 2nd shot or after)		G
• Rush, initial shot goal		RIG
• In-Zone, initial shot goal		ZIG
• Dumped, held (goalie)		DH

## Breakout marks

- Breakout marks are the key input to measuring a team’s “Seltenrich.” Breakout marks are made to show the results of the goaltender’s save selection. These marks indicate the number of passes required to break the puck out of the defensive zone following any save not resulting in a whistle. The number of passes until the puck is broken out is indicated by the following marks:

• One pass		√
• More than one pass (2,4)		II, IIII

- If following a save the defensive team does not gain control of the puck and proceed to breakout, the results of the shot are to be written instead. These results are indicated by the following marks:

• Second chance		SS
• Pressure		P
• Turnover		T
• Turnover—Goal		TG

- Breakout marks are to be made in the save selection column accompanying the save mark.

- Ex: If a shot is made on the rush resulting in a near rebound and pressure, the save selection column is marked resembling the following:

RRN, P

## Summary

The “Seltenrich” statistic is at its base a measure of goaltender play style efficiency. It links the relationship between a goaltender’s style of play and his team’s defensive zone play In-Zone and on the Rush.

Secondarily, “Seltenrich” measures the efficiency of a team’s defensive strategies, as well as individual defensemen and pairings, to a certain degree.

“Seltenrich” is recorded to serve the purpose of a scouting mechanism for goaltenders, as well as to measure a team's breakout success and defensive strategy to provide information potentially useful to coaching staff and players.

## Example Games

**THE FOLLOWING TABLES AND STATISTICS WERE RECORDED DURING THREE SEPARATE CANISIUS COLLEGE NCAA DIVISION 1 HOCKEY GAMES AGAINST ARMY, NIAGARA UNIVERSITY AND MERCYHURST UNIVERSITY.**

**THE STATISTICS MEASURE THE PERFORMANCE OF THE CANISIUS COLLEGE TEAM ONLY.**

**\*NOTE THAT THE “SHOT TYPE” COLUMN IS ABSENT OF ANY MARKS, ASIDE FROM “X”, INDICATING A DUMP. THE ADDITION OF THIS COLUMN WAS MADE AFTER THE GAMES WERE RECORDED AND ARE SUBSEQUENTLY LEFT BLANK.**

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Canisius College vs. Army- February 3, 2017

Shot type- P1	Period 1	Play type- P1	Shot type- P2	Period 2	Play type- P2	Shot type- P3	Period 3	Play type- P3
	RRN, SS, P, II		X	RP, √			ZH	W
X	RP, √		X	RP, √	PK		RC, √	PK
X	RP, √			RB, √	PK		ZH	4,W
	RC, √			DP, √	PK		ZH	W
	ZH	W		RRN, SS, II			ZRN, P, II	
	ZRN, P, √			ZRN, SS		X	DP, √	PP
X	RP, II			ZC, P			RRS, SS	4
	RRN, SS, II			ZRN, P, III			RRN, III	4
X	RP, P, II			RRN, √			ZH	PK, W
	RRN			ZRN, II				
	ZB	W		ZC, P, II	PK			
			X	DP, P, III				
				ZRN, SS	PK			
				ZH	PK, W			
				ZRN, P, II				
				RC, SS				
				RB	W			

## The Seltenrich Statistic

### Period 1:

S5% : 36%√, 36%II,

SPP%: N/A

SPK%: N/A

S4% : N/A

SZ% : 33%√

SR% : 38%√, 50%II

### Period 2:

S5% : 18%√, 27%II, 36%III

SPP% : N/A

SPK% : 50%√, 17%II

S4% : N/A

SZ% : 40%II, 60%III

SR% : 40%√, 20%II

### Period 3:

S5% : 30%II

SPP% : 100%√

SPK% : 50%√

S4% : 60%III

SZ% : 20%II

SR% : 30%√, 60%III

### Adjusted (game):

SA% : 44%√, 30%II, 54%III

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Canisius College vs. Niagara University- February 15, 2017

Shot type- P1	Period 1	Play type- P1	Shot type- P2	Period 2	Play type- P2	Shot type- P3	Period 3	Play type- P3
	RC, √			RRN			RRF	
<b>X</b>	RRS			ZRN, SS			RRS	
	G			RH	W		RC, III	
	WR, ZH	W		RH	W	X	DP, √	
<b>X</b>	DH	W	X	DP, √	PP	X	DP, III	
	ZH	PK, W		ZH	W	X	DP, √	
	ZRN, √	PK		ZRN, IIII		X	DP, II	
	ZRN, SS, III			RC, II, SS		X	DP, II	
	RC, II			ZB, SS		X	DP, III	
<b>X</b>	DP, √			ZH	W	X	DP, √	
<b>X</b>	DP, √	PP		RH	W		WR, SS	
<b>X</b>	DP, √	PP		RC, II			ZRN, II	
			X	DP, √			ZRN	W
				G			RH	W
			X	DP, √	PK	X	DP, II	
				ZRS, √	PK		RC, III	
				ZRN, II				



## The Seltenrich Statistic

### Period 1:

S5% : 25%√, 13%II, 13% III

SPP% : 100%√

SPK% : 100%√

S4% : N/A

SZ% : 25%√, 25%III

SR% : 33%√, 33%II

### Period 2:

S5% : 7%√, 21%II, 7%III

SPP% : 100%√

SPK% : 100%√

S4% : N/A

SZ% : 14%√, 28%II, 57%III

SR% : 33%II

### Period 3:

S5% : 19%√, 25%II, 25%III

SPP% : N/A

SPK% : N/A

S4% : N/A

SZ% : 50%II

SR% : 40%III

### Adjusted (game):

SA% : 52%√, 29%II, 26%III, 32%III

Canisius College vs. Mercyhurst University- February 23, 2017

Shot type- P1	Period 1	Play type- P1	Shot type- P2	Period 2	Play type- P2	Shot type- P3	Period 3	Play type- P3
	RB	W	X	DH	W		ZH	PK, W
	ZC, III			ZH	PK, W		ZB, II	FS
	RRN, II			RRS, III			ZH	W
	ZH	PK		RB	W		ZRS, ZP, II	
<b>X</b>	DP, IIII	PP		ZRN	W		ZRS, SS	
	RC, SS, ZP			ZC, ZP, II	PK		ZRN, √	
	ZRN, ZP			RRS, SS	PK	X	DP, √	
	ZH	W		RRS, √	PK		RH	W
	RH	W		ZB	W		ZRN, ZP, III	
	ZRN, √	FS		ZC, ZP, II		X	DP, √	PP
	ZRS, SS, ZP, II			RH	W	X	DP, √	PP
	RC, SS, ZP			RH	W		ZC, ZP, II	
	ZC, II					X	DP, II	
<b>X</b>	DP, √	PP					ZB	W
	ZRN, ZP						ZC, √	
						X	DP, II	
						X	DP, III	

## The Seltenrich Statistic

### Period 1:

S5% : 8%√, 25%II, 8%III, 8%IIII

SPP%: 50%√, 50%IIII

SPK%: N/A

S4% : N/A

SZ% : 13%√, 25%II, 13%III

SR% : 20%II

### Period 2:

S5% : 13%II, 13%III

SPP% : N/A

SPK% : 25%√, 25%II

S4% : N/A

SZ% : 40% II

SR% : 17%√, 17%III

### Period 3:

S5% : 21%√, 29%II, 14%III

SPP% : 100%√

SPK% : N/A

S4% : N/A

SZ% : 20%√, 30%II, 10%III

SR% : N/A

### Adjusted (game):

SA% : 32%√, 23%II, 13%III, 29%IIII