

Penn St. (12-6) -vs- Michigan (12-5)
4/22/2026 at Ann Arbor, Mich. ()

Date: 4/22/2026

Score	1	2	3	4	Total
Penn St.	3	2	2	5	12
Michigan	3	2	3	5	13

Penn St. Goals: Rocquette Allen (4); Erika Ho (3); Emma Kelly (2); Anna Salerno (1); Maddie Greco (1); Kelly Mackinney (1)
Assists: Delaney Radin (3); Erika Ho (1)

Michigan Goals: Calli Norris (5); Emma Bradbury (4); Ava Class (2); Ceci Stein (1); Katharine Merrifield (1)
Assists: Ceci Stein (2); Truus van Wees (2); Caroline Byrd (1); Emma Bradbury (1)

Shots	1	2	3	4	Total
Penn St.	6	9	8	7	30
Michigan	12	4	4	7	27

Shots On Goal	1	2	3	4	Total
Penn St.	4	4	4	6	18
Michigan	10	2	2	4	18

Saves	1	2	3	4	Total
Penn St.	7	1	0	1	9
Michigan	1	3	2	1	7

Turnovers	1	2	3	4	Total
Penn St.	2	3	2	1	8
Michigan	1	3	4	2	10

Clears	1	2	3	4	Total
Penn St.	4-4	4-4	4-5	2-2	14-15
Michigan	5-5	5-5	2-2	2-2	14-14

Ground Balls	1	2	3	4	Total
Penn St.	1	4	6	2	13
Michigan	6	4	2	2	14

Draw Controls	1	2	3	4	Total
Penn St.	2	2	0	4	8
Michigan	5	2	6	6	19

Free-Position Shots	1	2	3	4	Total
Penn St.	1	1	0	0	2
Michigan	0	1	2	2	5

Fouls	1	2	3	4	Total
Penn St.	2	1	3	2	8
Michigan	1	1	1	0	3

Stadium:

Penalties: Lee Kestner 1st/07:39; Taylor Cullen 2nd/14:34

Officials: Kim Kraemer; Julie Reitz; Allison Bailey; Devon Holcomb; Megan McIntosh

Penn St. 12

Pos	#	Player	G	A	P	SH	GB	TO	CT	DC	FPS	Fouls
	5	Lauren Tinson	0	0	0	0	1	0	1	0		2
	7	Erika Ho	3	1	4	7	0	2	0	0	0-1	0
	10	Maggie Driver	0	0	0	0	0	0	0	1		1
	12	Payton Wainman	0	0	0	1	3	2	0	5		2
	15	Emma Kelly	2	0	2	3	0	0	0	2		1
	24	Maggie Rezza	0	0	0	0	0	0	0	0		0
	28	Maddie Greco	1	0	1	1	1	0	0	0		0
	32	Kelly Mackinney	1	0	1	4	2	2	0	0	0-1	0
	33	Sydney Manning	0	0	0	0	1	0	1	0		0
	37	Rocquette Allen	4	0	4	7	1	2	0	0		0
	43	Susannah O'Connell	0	0	0	0	2	0	1	0		0
	55	Julia Basciano	0	0	0	0	0	0	0	0		0
TM		Team	0	0	0	0	0	0	0	0		0
	1	Hannah Hoyt	0	0	0	0	0	0	0	0		0
	6	Delaney Radin	0	3	3	3	0	0	0	0		0
	11	Lily Spilker	0	0	0	0	2	0	1	0		1
	13	Elizabeth Anne	0	0	0	0	0	0	0	0		0
	14	Anna Salerno	1	0	1	4	0	0	0	0		0
	17	Dakota Cristo	0	0	0	0	0	0	2	0		0
	23	Makenna Gagliardi	0	0	0	0	0	0	0	0		0
	38	Lily Strohecker	0	0	0	0	0	0	0	0		1
		Totals	12	4	16	30	13	8	6	8	0-2	8

#	Goalkeepers	Minutes	GA	Saves	Dec
33	Sydney Manning	53:46	11	9	L
23	Makenna Gagliardi	5:35	2	0	
TM	Team	0:39	0	0	

Michigan 13

Pos	#	Player	G	A	P	SH	GB	TO	CT	DC	FPS	Fouls
	3	Emma Burke	0	0	0	0	0	0	0	13		0
	6	Grace Callahan	0	0	0	1	1	0	1	0		0
	8	Peyton Shreves	0	0	0	0	1	0	0	0		1
	13	Jordyn Harrison	0	0	0	0	1	1	1	0		0
	17	Megan Minturn	0	0	0	0	1	0	0	0		0
	19	Taylor Cullen	0	0	0	0	0	1	3	2		0
	20	Ava Class	2	0	2	3	1	1	0	0	1-1	0
	28	Calli Norris	5	0	5	7	0	5	0	3		0
	31	Lee Kestner	0	0	0	0	1	0	0	0		0
	35	Emma Bradbury	4	1	5	9	0	0	0	1	1-3	0
	37	Emma Arico	0	0	0	0	4	0	0	0		1
	44	Elizabeth Johnson	0	0	0	0	0	0	0	0		0
	TM	Team	0	0	0	0	0	0	0	0		0
	1	Ceci Stein	1	2	3	2	0	1	0	0		0
	16	Kassidy Isaacson	0	0	0	0	2	1	0	0		0
	21	Katharine Merrifield	1	0	1	2	0	0	0	0	1-1	0
	22	Truus van Wees	0	2	2	2	0	0	0	0		0
	24	Caroline Byrd	0	1	1	1	2	0	1	0		0
	36	Brinley Vrooman	0	0	0	0	0	0	0	0		1
	40	Madeline Jensen	0	0	0	0	0	0	0	0		0
	Totals		13	6	19	27	14	10	6	19	3-5	3

#	Goalkeepers	Minutes	GA	Saves	Dec
44	Elizabeth Johnson	52:18	11	7	W
40	Madeline Jensen	7:42	1	0	

Scoring Summary

Period	Time	Scored By	Assisted By	PENN ST.	MICHIGAN
1st	12:15	Anna Salerno	Unassisted	1	0
1st	09:38	Emma Bradbury	Ceci Stein	1	1
1st	08:14	Calli Norris	Unassisted	1	2
1st	05:51	Kelly Mackinney	Delaney Radin	2	2
1st	04:22	Calli Norris	Ceci Stein	2	3
1st	02:11	Rocquette Allen	Unassisted	3	3
2nd	13:24	Rocquette Allen	Unassisted	4	3
2nd	12:07	Calli Norris	Unassisted	4	4
2nd	10:53	Maddie Greco	Delaney Radin	5	4
2nd	09:45	Emma Bradbury	Caroline Byrd	5	5
3rd	10:58	Erika Ho	Unassisted	6	5
3rd	08:10	Calli Norris	Emma Bradbury	6	6
3rd	07:06	Ava Class	Unassisted	6	7
3rd	06:06	Emma Bradbury	Truus van Wees	6	8
3rd	00:28	Erika Ho	Unassisted	7	8
4th	14:44	Calli Norris	Unassisted	7	9
4th	14:11	Ceci Stein	Unassisted	7	10
4th	13:20	Ava Class	Truus van Wees	7	11
4th	11:53	Rocquette Allen	Unassisted	8	11
4th	11:04	Emma Kelly	Unassisted	9	11
4th	10:14	Emma Kelly	Erika Ho	10	11
4th	08:33	Emma Bradbury	Unassisted	10	12
4th	07:42	Erika Ho	Unassisted	11	12
4th	06:18	Katharine Merrifield	Unassisted	11	13
4th	03:43	Rocquette Allen	Delaney Radin	12	13

Penalty Summary

Period	Time	Team	Player	Type
1st	07:39	MICHIGAN	Lee Kestner	GREEN CARD
2nd	14:34	MICHIGAN	Taylor Cullen	GREEN CARD

Play By Play

Time	Team	Play
15:00	MICHIGAN	Elizabeth Johnson at goalie for MICHIGAN.
15:00	PENN ST.	Sydney Manning at goalie for PENN ST..
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
13:27	MICHIGAN	Shot by MICHIGAN Calli Norris, SAVE Sydney Manning
13:00	MICHIGAN	Ground ball pickup by MICHIGAN Peyton Shreves.
12:54	MICHIGAN	Shot by MICHIGAN Emma Bradbury, SAVE Sydney Manning
12:48	MICHIGAN	Clear attempt by MICHIGAN good.
12:15	PENN ST.	GOAL by PENN ST. Anna Salerno (FIRST GOAL), goal number for season.
Penn St. 1, Michigan 0		
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
11:43	MICHIGAN	Shot by MICHIGAN Truus van Wees, SAVE Sydney Manning
11:38	MICHIGAN	Ground ball pickup by MICHIGAN Caroline Byrd.
11:31	MICHIGAN	Shot by MICHIGAN Truus van Wees, SAVE Sydney Manning
11:12	PENN ST.	Clear attempt by PENN ST. good.
10:49	PENN ST.	Shot by PENN ST. Rocquette Allen, SAVE Elizabeth Johnson
10:37	MICHIGAN	Clear attempt by MICHIGAN good.
10:29	MICHIGAN	Shot by MICHIGAN Caroline Byrd HIGH
--	PENN ST.	Foul on PENN ST. Lily Strohecker.
09:38	MICHIGAN	GOAL by MICHIGAN Emma Bradbury, Assist by Ceci Stein, goal number for season.
Penn St. 1, Michigan 1		
--	PENN ST.	Draw control by PENN ST. Emma Kelly.
--	PENN ST.	Turnover by PENN ST. Rocquette Allen (caused by Taylor Cullen).
08:50	MICHIGAN	Ground ball pickup by MICHIGAN Megan Minturn.
08:39	MICHIGAN	Clear attempt by MICHIGAN good.
08:34	MICHIGAN	Shot by MICHIGAN Katharine Merrifield, SAVE Sydney Manning
08:32	MICHIGAN	Ground ball pickup by MICHIGAN Caroline Byrd.
08:14	MICHIGAN	GOAL by MICHIGAN Calli Norris, goal number for season.
Penn St. 1, Michigan 2		
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
08:01	MICHIGAN	Shot by MICHIGAN Calli Norris, SAVE Sydney Manning
07:39	MICHIGAN	Green card (1:00) on MICHIGAN Lee Kestner.
07:38	PENN ST.	Clear attempt by PENN ST. good.
--	MICHIGAN	Foul on MICHIGAN Peyton Shreves.
06:57	PENN ST.	Free position attempt for PENN ST..
06:57	PENN ST.	Shot by PENN ST. Erika Ho HIT POST {free position shot}
05:51	PENN ST.	GOAL by PENN ST. Kelly Mackinney, Assist by Delaney Radin, goal number for season.
Penn St. 2, Michigan 2		
--	PENN ST.	Draw control by PENN ST. Payton Wainman.
05:28	PENN ST.	Shot by PENN ST. Anna Salerno BLOCKED
05:25	MICHIGAN	Ground ball pickup by MICHIGAN Cassidy Isaacson.
05:21	MICHIGAN	Clear attempt by MICHIGAN good.
05:14	MICHIGAN	Shot by MICHIGAN Grace Callahan HIGH
04:22	MICHIGAN	GOAL by MICHIGAN Calli Norris, Assist by Ceci Stein, goal number for season.
Penn St. 2, Michigan 3		
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
--	MICHIGAN	Turnover by MICHIGAN Cassidy Isaacson (caused by Sydney Manning).
02:58	PENN ST.	Ground ball pickup by PENN ST. Sydney Manning.
02:37	PENN ST.	Clear attempt by PENN ST. good.
02:11	PENN ST.	GOAL by PENN ST. Rocquette Allen, goal number for season.
Penn St. 3, Michigan 3		
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
01:10	MICHIGAN	Shot by MICHIGAN Ceci Stein, SAVE Sydney Manning
00:53	PENN ST.	Clear attempt by PENN ST. good.
--	PENN ST.	Turnover by PENN ST. Kelly Mackinney.
00:26	MICHIGAN	Ground ball pickup by MICHIGAN Emma Arico.
--	PENN ST.	Foul on PENN ST. Payton Wainman.
00:05	MICHIGAN	Clear attempt by MICHIGAN good.

00:00	0	End-of-period.
15:00	0	
14:34	MICHIGAN	Green card (1:00) on MICHIGAN Taylor Cullen.
--	MICHIGAN	Turnover by MICHIGAN Taylor Cullen.
14:02	PENN ST.	Shot by PENN ST. Emma Kelly WIDE
13:24	PENN ST.	GOAL by PENN ST. Rocquette Allen, goal number for season.
Penn St. 4, Michigan 3		
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
12:07	MICHIGAN	GOAL by MICHIGAN Calli Norris, goal number for season.
Penn St. 4, Michigan 4		
--	PENN ST.	Draw control by PENN ST. Emma Kelly.
--	MICHIGAN	Foul on MICHIGAN Emma Arico.
11:14	PENN ST.	Free position attempt for PENN ST..
11:12	PENN ST.	Shot by PENN ST. Kelly Mackinney, SAVE Elizabeth Johnson {free position shot}
11:01	PENN ST.	Ground ball pickup by PENN ST. Rocquette Allen.
10:53	PENN ST.	GOAL by PENN ST. Maddie Greco, Assist by Delaney Radin, goal number for season.
Penn St. 5, Michigan 4		
--	PENN ST.	Draw control by PENN ST. Maggie Driver.
09:59	PENN ST.	Shot by PENN ST. Kelly Mackinney HIT POST
09:55	MICHIGAN	Ground ball pickup by MICHIGAN Ava Class.
09:50	MICHIGAN	Clear attempt by MICHIGAN good.
09:45	MICHIGAN	GOAL by MICHIGAN Emma Bradbury, Assist by Caroline Byrd, goal number for season.
Penn St. 5, Michigan 5		
--	PENN ST.	media timeout
--	MICHIGAN	Draw control by MICHIGAN Calli Norris.
09:35	MICHIGAN	Shot by MICHIGAN Ava Class WIDE
09:08	PENN ST.	Clear attempt by PENN ST. good.
--	PENN ST.	Turnover by PENN ST. Erika Ho (caused by Taylor Cullen).
07:53	MICHIGAN	Ground ball pickup by MICHIGAN Lee Kestner.
07:49	MICHIGAN	Clear attempt by MICHIGAN good.
--	MICHIGAN	Turnover by MICHIGAN Calli Norris (caused by Dakota Cristo).
06:59	PENN ST.	Ground ball pickup by PENN ST. Lauren Tinson.
06:57	PENN ST.	Clear attempt by PENN ST. good.
06:22	PENN ST.	Shot by PENN ST. Delaney Radin, SAVE Elizabeth Johnson
06:13	PENN ST.	Ground ball pickup by PENN ST. Maddie Greco.
--	PENN ST.	Turnover by PENN ST. Kelly Mackinney (caused by Grace Callahan).
05:42	MICHIGAN	Ground ball pickup by MICHIGAN Emma Arico.
05:28	MICHIGAN	Clear attempt by MICHIGAN good.
--	PENN ST.	Foul on PENN ST. Payton Wainman.
04:42	MICHIGAN	Free position attempt for MICHIGAN.
04:40	MICHIGAN	Shot by MICHIGAN Emma Bradbury, SAVE Sydney Manning {free position shot}
04:09	PENN ST.	Clear attempt by PENN ST. good.
03:05	PENN ST.	Shot by PENN ST. Rocquette Allen WIDE
03:00	PENN ST.	Clock violation by PENN ST..
02:47	MICHIGAN	Clear attempt by MICHIGAN good.
--	MICHIGAN	Turnover by MICHIGAN Ceci Stein.
01:39	PENN ST.	Clear attempt by PENN ST. good.
01:03	PENN ST.	Shot by PENN ST. Delaney Radin, SAVE Elizabeth Johnson
00:58	PENN ST.	Ground ball pickup by PENN ST. Payton Wainman.
00:21	PENN ST.	Shot by PENN ST. Anna Salerno HIGH
--	PENN ST.	Turnover by PENN ST. Payton Wainman.
00:00	MICHIGAN	Ground ball pickup by MICHIGAN Emma Arico.
00:00	MICHIGAN	Clear attempt by MICHIGAN good.
00:00	0	End-of-period.
15:00	0	
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
--	MICHIGAN	Turnover by MICHIGAN Calli Norris (caused by Lily Spilker).
13:56	PENN ST.	Ground ball pickup by PENN ST. Lily Spilker.
13:42	PENN ST.	Clear attempt by PENN ST. good.
12:58	PENN ST.	Shot by PENN ST. Anna Salerno HIGH
12:38	PENN ST.	Shot by PENN ST. Kelly Mackinney HIT POST
12:18	MICHIGAN	Clear attempt by MICHIGAN good.

-- MICHIGAN Turnover by MICHIGAN Ava Class.
11:31 PENN ST. Ground ball pickup by PENN ST. Lily Spilker.
11:21 PENN ST. Clear attempt by PENN ST. good.
10:58 PENN ST. GOAL by PENN ST. Erika Ho, goal number for season.

Penn St. 6, Michigan 5

-- MICHIGAN Draw control by MICHIGAN Emma Bradbury.
-- MICHIGAN Turnover by MICHIGAN Calli Norris.
09:27 PENN ST. Clear attempt by PENN ST. failed.
-- PENN ST. Turnover by PENN ST. Payton Wainman (caused by Caroline Byrd).
09:02 MICHIGAN Ground ball pickup by MICHIGAN Grace Callahan.
08:51 MICHIGAN Timeout by MICHIGAN.
-- PENN ST. Foul on PENN ST. Lauren Tinson.
08:28 MICHIGAN Free position attempt for MICHIGAN.
08:10 MICHIGAN GOAL by MICHIGAN Calli Norris, Assist by Emma Bradbury, goal number for season.

Penn St. 6, Michigan 6

-- MICHIGAN Draw control by MICHIGAN Emma Burke.
-- PENN ST. Foul on PENN ST. Emma Kelly.
07:06 MICHIGAN Free position attempt for MICHIGAN.
07:06 MICHIGAN GOAL by MICHIGAN Ava Class (FPGOAL) {free position shot}, goal number for season.

Penn St. 6, Michigan 7

-- MICHIGAN Draw control by MICHIGAN Emma Burke.
06:06 MICHIGAN GOAL by MICHIGAN Emma Bradbury, Assist by Truus van Wees, goal number for season.

Penn St. 6, Michigan 8

-- MICHIGAN Draw control by MICHIGAN Taylor Cullen.
-- PENN ST. Foul on PENN ST. Lauren Tinson.
04:35 MICHIGAN Free position attempt for MICHIGAN.
04:34 MICHIGAN Shot by MICHIGAN Emma Bradbury HIT CROSSBAR {free position shot}
04:00 PENN ST. Clear attempt by PENN ST. good.
03:04 PENN ST. Shot by PENN ST. Payton Wainman, SAVE Elizabeth Johnson
03:00 PENN ST. Ground ball pickup by PENN ST. Payton Wainman.
02:18 PENN ST. Shot by PENN ST. Delaney Radin HIT POST
02:09 PENN ST. Ground ball pickup by PENN ST. Kelly Mackinney.
-- PENN ST. Turnover by PENN ST. Erika Ho (caused by Taylor Cullen).
01:46 MICHIGAN Ground ball pickup by MICHIGAN Jordyn Harrison.
01:42 MICHIGAN Clear attempt by MICHIGAN good.
-- MICHIGAN Turnover by MICHIGAN Jordyn Harrison (caused by Lauren Tinson).
01:30 PENN ST. Ground ball pickup by PENN ST. Susannah O'Connell.
01:26 PENN ST. Clear attempt by PENN ST. good.
01:21 PENN ST. Shot by PENN ST. Rocquette Allen, SAVE Elizabeth Johnson
01:18 PENN ST. Ground ball pickup by PENN ST. Kelly Mackinney.
00:47 PENN ST. Shot by PENN ST. Erika Ho HIGH
-- MICHIGAN Foul on MICHIGAN Brinley Vrooman.
00:28 PENN ST. GOAL by PENN ST. Erika Ho, goal number for season.

Penn St. 7, Michigan 8

-- MICHIGAN Draw control by MICHIGAN Emma Burke.
00:00 0 End-of-period.
15:00 0
14:44 MICHIGAN GOAL by MICHIGAN Calli Norris, goal number for season.

Penn St. 7, Michigan 9

-- MICHIGAN Draw control by MICHIGAN Taylor Cullen.
14:11 MICHIGAN GOAL by MICHIGAN Ceci Stein, goal number for season.

Penn St. 7, Michigan 10

-- PENN ST. Draw control by PENN ST. Payton Wainman.
13:45 PENN ST. Shot by PENN ST. Erika Ho, SAVE Elizabeth Johnson
13:41 MICHIGAN Ground ball pickup by MICHIGAN Cassidy Isaacson.
13:39 MICHIGAN Clear attempt by MICHIGAN good.
13:20 MICHIGAN GOAL by MICHIGAN Ava Class, Assist by Truus van Wees, goal number for season.

Penn St. 7, Michigan 11

13:20 PENN ST. Timeout by PENN ST..
-- MICHIGAN Draw control by MICHIGAN Calli Norris.
-- MICHIGAN Turnover by MICHIGAN Calli Norris (caused by Susannah O'Connell).

13:05	PENN ST.	Ground ball pickup by PENN ST. Susannah O'Connell.
11:53	PENN ST.	GOAL by PENN ST. Rocquette Allen, goal number for season.
Penn St. 8, Michigan 11		
11:53	PENN ST.	Makenna Gagliardi at goalie for PENN ST..
--	PENN ST.	Draw control by PENN ST. Payton Wainman.
11:04	PENN ST.	GOAL by PENN ST. Emma Kelly, goal number for season.
Penn St. 9, Michigan 11		
--	PENN ST.	Draw control by PENN ST. Payton Wainman.
10:14	PENN ST.	GOAL by PENN ST. Emma Kelly, Assist by Erika Ho, goal number for season.
Penn St. 10, Michigan 11		
10:09	MICHIGAN	Timeout by MICHIGAN.
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
09:10	MICHIGAN	Shot by MICHIGAN Emma Bradbury BLOCKED
--	PENN ST.	Foul on PENN ST. Lily Spilker.
08:33	MICHIGAN	Free position attempt for MICHIGAN.
08:33	MICHIGAN	GOAL by MICHIGAN Emma Bradbury (FPGOAL) {free position shot}, goal number for season.
Penn St. 10, Michigan 12		
--	PENN ST.	Draw control by PENN ST. Payton Wainman.
07:42	PENN ST.	GOAL by PENN ST. Erika Ho, goal number for season.
Penn St. 11, Michigan 12		
07:42	MICHIGAN	Madeline Jensen at goalie for MICHIGAN.
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
--	PENN ST.	Foul on PENN ST. Maggie Driver.
06:31	MICHIGAN	Free position attempt for MICHIGAN.
06:18	MICHIGAN	GOAL by MICHIGAN Katharine Merrifield (FPGOAL) {free position shot}, goal number for season.
Penn St. 11, Michigan 13		
06:18	PENN ST.	Sydney Manning at goalie for PENN ST..
--	MICHIGAN	Draw control by MICHIGAN Emma Burke.
--	MICHIGAN	Turnover by MICHIGAN Calli Norris (caused by Dakota Cristo).
04:35	PENN ST.	Clear attempt by PENN ST. good.
03:56	PENN ST.	Shot by PENN ST. Erika Ho WIDE
03:43	PENN ST.	Ground ball pickup by PENN ST. Payton Wainman.
03:43	PENN ST.	GOAL by PENN ST. Rocquette Allen, Assist by Delaney Radin, goal number for season.
Penn St. 12, Michigan 13		
--	MICHIGAN	Draw control by MICHIGAN Calli Norris.
02:34	MICHIGAN	Shot by MICHIGAN Emma Bradbury, SAVE Sydney Manning
02:19	PENN ST.	Clear attempt by PENN ST. good.
01:55	PENN ST.	Timeout by PENN ST..
--	PENN ST.	Turnover by PENN ST. Rocquette Allen (caused by Jordyn Harrison).
01:28	MICHIGAN	Ground ball pickup by MICHIGAN Emma Arico.
01:25	MICHIGAN	Clear attempt by MICHIGAN good.
00:39	MICHIGAN	Timeout by MICHIGAN.
00:39	PENN ST.	Team at goalie for PENN ST..
00:00	0	End-of-period.