

2009 Report of New York State Influenza-Like Illness at Children's Camps February 2010

During the 2009 camp season, 1,660 cases of influenza-like illness (ILI) were reported at children's camps in New York State. Cases of illness included 1,311 campers, 341 staff and 8 cases that were neither campers nor staff. ILI is defined as someone having a fever (measured temperature of 100°F or more) and either cough or sore throat.

Sixty-one outbreaks of ILI were reported, which accounted for 1,600 cases (96%) of illness. Fifty of the sixty-one outbreaks occurred at overnight camps and resulted in 1556 cases of illness (97% of outbreak illness and 94% of all ILI at camps). Outbreaks ranged in size from 2 to 137 cases of illness, averaged 27.2 cases of illness per outbreak, had a median of 11 cases, and a mode of 2. Outbreaks were defined as two or more cases of illness at a camp. It was not necessary to demonstrate a connection between cases. Forty-eight percent of the ILI cases and 49% of the outbreaks were reported with the first three weeks of the season. There were 60 individual cases of illness.

In total, ILI at children's camps was reported in 33 counties (See attached map). There are approximately 2861 children's camps in NYS (578 overnight camps and 2283 day camps) and it is estimated that over 900,000 children attend camp each year. It should be noted that there are approximately 900 day camps in NYC that reported no ILI and 824 cases of ILI were reported in Sullivan County, which has approximately 100 overnight camps (17% of the total number of overnight camps in the state).

Reporting

ILI reporting is mandated by Subpart 7-2 of the State Sanitary Code. Camp operators are required to report illness within 24 hours to the local health department (LHD) that has jurisdiction in the county in which the camp is located. LHDs entered ILI information into an injury and illness database (known as eHIPS) each week. This data system is the source of this information concerning camps. The data was quality checked at the conclusion of the season, which resulted in slight adjustments to the weekly reports (See attached tables).

The Bureau of Communicable Disease Control and Community Environmental Health and Food Protection prepared and distributed guidance for identifying and managing cases of ILI at camp. Camp health/medical personnel used the definition provided in the guidance to self-report cases of illness. In many instances, medical providers (physicians, nurses, etc.) were not involved with the diagnosis/categorization of ILI.

Weekly ILI Reported for NYS Children's Camps

Cases of ILI Reported by Camp Type

	Week of 6/26/09		Week of 7/3/2009		Week of 7/10/2009		Week of 7/17/2009		Week of 7/24/2009		Week of 7/31/2009		Week of 8/7/2009		Week of 8/14/2009		Week of 8/21/2009		Week of 8/28/2009		Week of 9/4/2009		Final Quality Checked Totals	
	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	ADJ.	Final	
Day Camp	0	9	9	14	23	3	26	5	31	12	43	0	42*	9	51	14	65	0	65	2	67	1	68	
Overnight Camp	80	122	202	569	771	198	969	156	1125	209	1334	86	1420	97	1517	1	1518	63	1581	0	1581	11	1592	
Total	80	131	211	583	794	211	995	161	1156	221	1377	86	1462	106	1568	15	1583	63	1646	2	1648	12	1660	

*One Single Case Incident was deleted by the Reporting Local Health Department

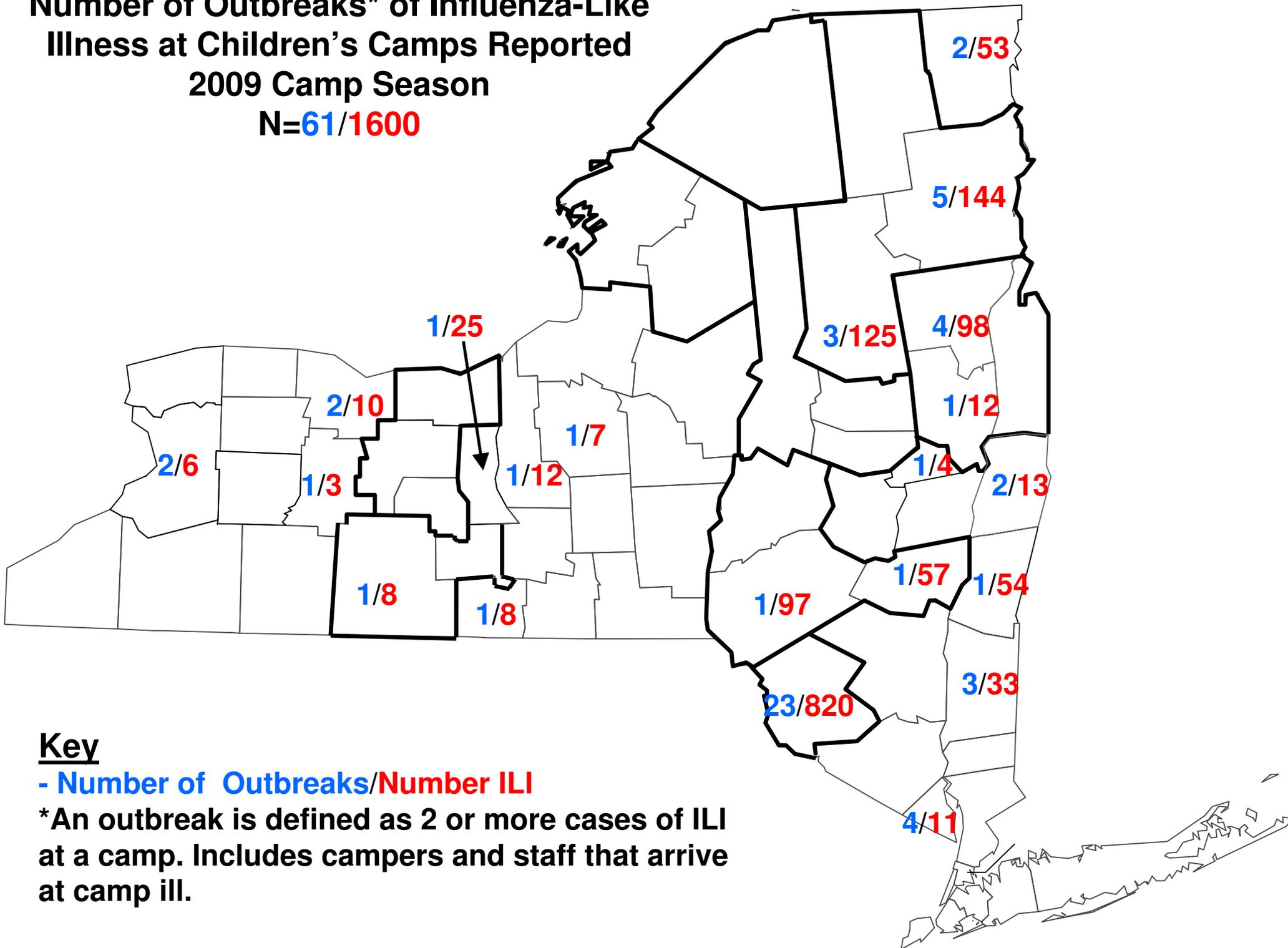
Cases of ILI Reported by Incident Type

	Week of 6/26/09		Week of 7/3/2009		Week of 7/10/2009		Week of 7/17/2009		Week of 7/24/2009		Week of 7/31/2009		Week of 8/7/2009		Week of 8/14/2009		Week of 8/21/2009		Week of 8/28/2009		Week of 9/4/2009		Final Quality Checked Totals	
	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	ADJ.	Final	
Outbreaks	80	129	209	566	775	197	972	152	1124	214	1338	84	1422	103	1525	13	1538	63	1601	0	1601	-1	1600	
Single Cases	0	2	2	17	19	4	23	9	32	7	39	1	40	3	43	2	45	0	45	2	47	13	60	
Total	80	131	211	583	794	211	995	161	1156	221	1377	85	1462	106	1568	15	1583	63	1646	2	1648	12	1660	

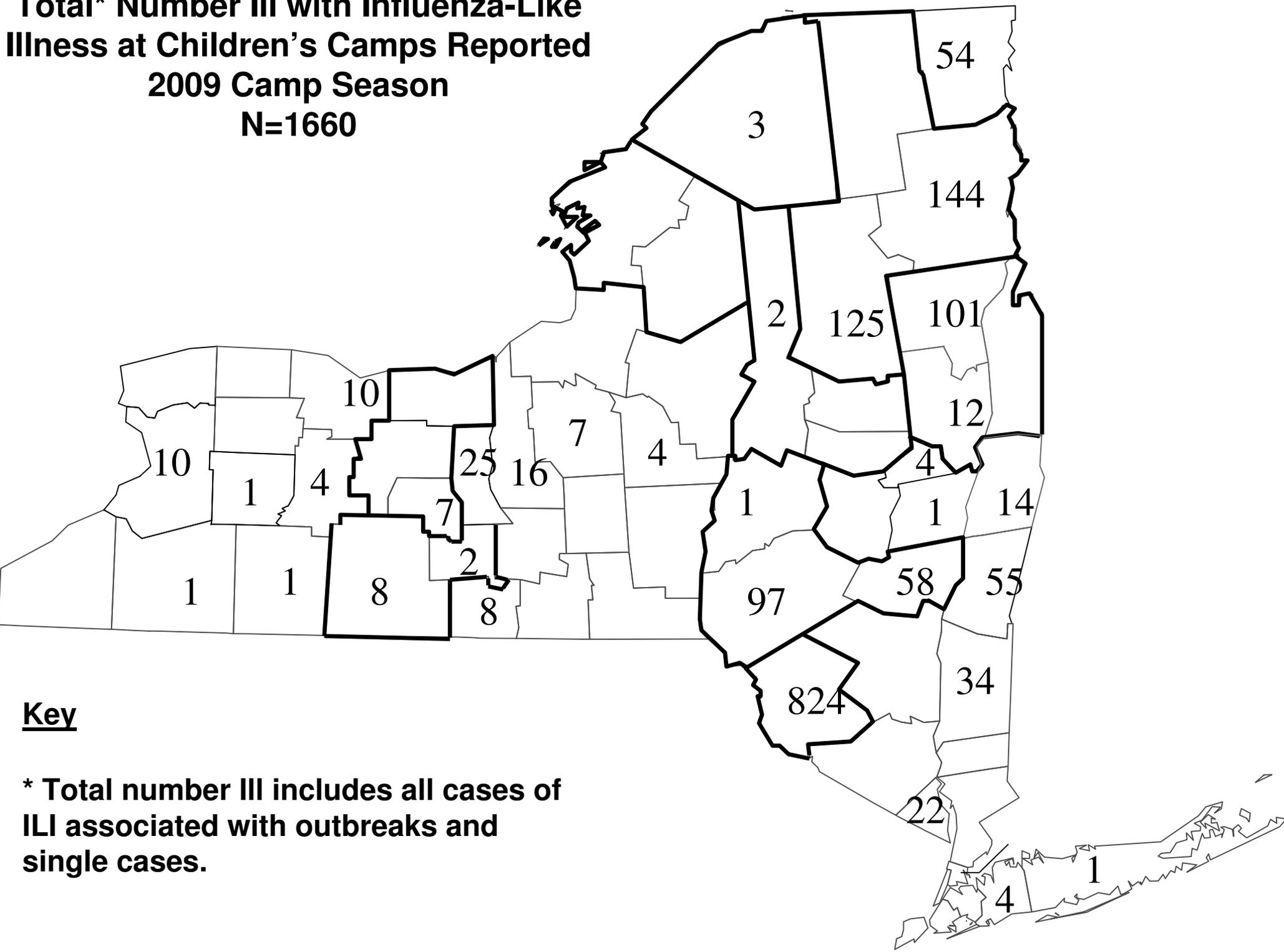
Number of Outbreaks

	Week of 6/26/09		Week of 7/3/2009		Week of 7/10/2009		Week of 7/17/2009		Week of 7/24/2009		Week of 7/31/2009		Week of 8/7/2009		Week of 8/14/2009		Week of 8/21/2009		Week of 8/28/2009		Week of 9/4/2009		Final Quality Checked Totals	
	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	New	Total	ADJ.	Final	
Number of Outbreaks	5	8	13	17	30	5	35	6	41	11	52	3	55	1	56	4	60	1	61	0	61	0	61	

**Number of Outbreaks* of Influenza-Like
Illness at Children's Camps Reported
2009 Camp Season
N=61/1600**



**Total* Number Ill with Influenza-Like
Illness at Children's Camps Reported
2009 Camp Season
N=1660**



Key

*** Total number Ill includes all cases of
ILI associated with outbreaks and
single cases.**