References Contact Current Legionella Prevention Activities and Trends among Information Yackley, J (2020). Legionella Prevention Activities among Tennessee Hospitals Tennessee Hospitals Reporting to the National Healthcare Safety Reporting to the National Healthcare Safety Benjamin O'Connell Network, Tennessee 2018. [Poster **Email** presentation]. Tennessee Department of Network, Tennessee 2018-2019 Health, Nashville TN, benjaminkoconnell@ Health 2. Centers for Disease Control and Prevention. gmail.com (2018). Nationally Notifiable Infectious Benjamin O'Connell, Jane Yackley, MPH Diseases and Conditions, United States: Annual Phone: 615-425-6868 Tables), U.S. Department of Health and Human Services https://wonder.cdc.gov/nndss/static/2018/ annual/2018-table2h.html Results **Methods** Background **Demographics CMS** Compliance Each year, the CDC conducts nationwide surveys of Data were collected from healthcare facilities Number of ICPs 86% of facilities that completed the 38 healthcare facilities though the National Healthcare across Tennessee through electronic surveys as 1 Leaionella questions on the survey Safety Network (NHSN). These surveys aim to highlight part of the NHSN's annual assessments. The data met CMS requirements (n=88/102). any weaknesses in infection prevention plans and reduce were shared through a partnership between the the number of healthcare-associated infections. This >399 Number Of Beds TDH Healthcare Associated Infections team and For-profit and government-owned poster examines the state of *Legionella* prevention in 100-399 the TDH Waterborne and Zoonotic Disease Team² 50-99 hospitals were more likely than Tennessee hospitals and presents a few general trends <50 between 2018 and 2019. nonprofit hospitals to not meet CMS requirements (p-value=0.02.). Government Because healthcare facilities tend to have both a high 69 Nonprofit 38 Neither size nor type of hospital was risk for Legionella and several vulnerable occupants, the Profit Centers for Medicare and Medicaid Services (CMS) found to be associated with being requires each facility to have a number measures in CMS compliant SAS Enterprise 7.1 and Microsoft Excel were used Other place to stop Legionella outbreaks for all data storage, cleaning, and analysis. General 12 before they occur. Analytical methods included chi-square tests, t-Crit. Access tests, Fisher's exact tests, and descriptive analysis. Legionella Prevention Legionella Trends in Activities Tennessee Conclusions Summary 2018 2019 Percent Change 93% (n=93/100) of facilities Tennessee With two years of Legionella data collection Most trends show encouraging results for reported having a water Legionellosis 171 149 -12.9% containing the spread of Legionella in by the NHSN, TDH epidemiologists can management program Cases² Tennessee hospitals. As a whole, Tennessee begin to examine trends in Legionella Nationwide outperformed the national decline in cases. CMS 91% (n=93/102) have a Legionellosis -10.5% 9.933 8.890 prevention. compliance saw a large increase of 10.2% statewide, dedicated water management Cases² indicating that hospitals are taking their responsibility team, and these teams had a CMS 10.2% seriously. median of 5 people (min 1, 78% 86% Although long term data is not available, Compliance¹ max 8). early upticks in CMS compliance have Performed a For-profit and government owned hospitals were less coincided with lower case numbers. facility likely to meet CMS requirements, so those hospitals could 92% (n=92/101) 70% 68.5 -2.1% assessment in receive focused attention and training in order to get of facilities have the last year¹ With more knowledge of prevention them up to standards. conducted a risk Have a water assessment on their strategies, TDH can better identify the 90% 93% 3.3% management With just two years of NHSN Legionella data to analyze, it property. program¹ state's strengths and weaknesses in the is difficult to make strong predictions on the future of the fight against Legionella. disease in Tennessee, but the early results are promising.