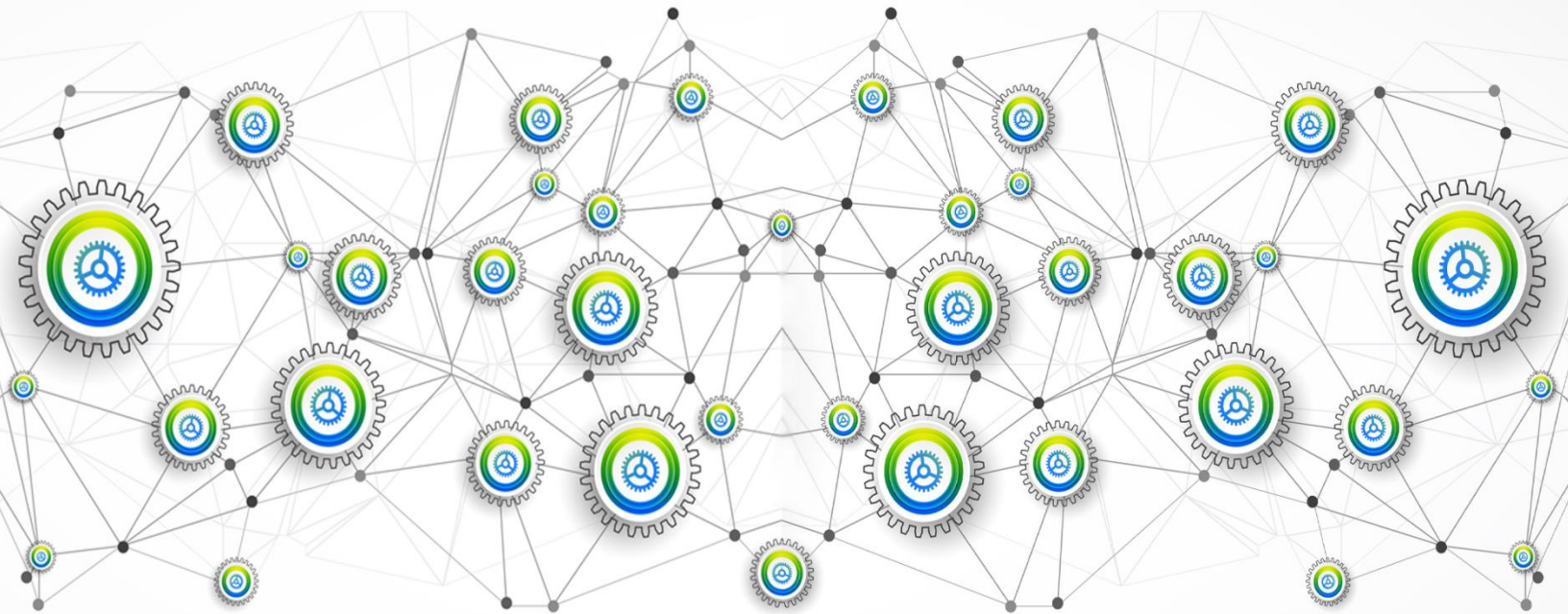


Top 10 Tips for Public Health Department System Modernization

Leading Edge Tips for Upgrading Public Health's Data Collection, Clinic Management, Patient Communications, Disease Management Systems and Reporting



Aveva
Public Health Solutions

About the Author



Joe Paulini

CEO, Aveva

Joe has led the development of Aveva's Public Health software initiative for the past 14 years. Joe's vision to create user-friendly software that serves the needs of the many different missions of Public Health has been the overarching goal of Aveva. Aveva's software helps to provide the public health community with the most advanced data collection, disease surveillance, and clinic management software available in today's marketplace.

In January of 2020, Aveva released a comprehensive, end-to-end version of its software, designed to meet the needs of any Public Health Department responsible for tracking, controlling and managing disease surveillance.

The timing of the release was fortuitous as Aveva was rapidly configured for investigation management of the expanding COVID-19 pandemic. Aveva's software, the only real investigation management and contact tracing software for Public Health available, was chosen from nearly 50 competing companies by the CDC's COVID Rapid Response Team for their national contact tracing program.

In this booklet, Joe reprises his Top 10 Tips on System Modernization delivered live to the first national convening of state and territorial health officials with local and federal partners focused specifically on the use of technology to support the COVID-19 response, hosted by ASTHO.



[@AvevaTech](https://twitter.com/AvevaTech)



[@Aveva-Public-Health-Solutions](https://www.linkedin.com/company/aveva-public-health-solutions)

Introduction

Over the past three years, our clients have been modernizing and upgrading their systems capabilities. Many came to us frustrated by the difficulty in choosing a software that was configurable to their workflows and data collection needs, was flexible enough to work with the disparate legacy systems they were currently using and would allow for them to migrate to a new system at their own pace. Based on information and insights we learned from them, we put together these Top 10 Tips for modernizing your system.

In early 2020, Public Health organizations were receiving unprecedented attention as a tsunami of COVID-19 cases erupted into a global pandemic.

In the wake of the pandemic, the CDC launched the Data Modernization Initiative (DMI). Historically underfunded, Public Health was suddenly clamoring to respond to newly available, time-sensitive Public Health grant funding to upgrade their workforces and modernize information and communications technologies.

The effort continues and the challenge now for public health department leaders is to rapidly identify the best available approaches and technologies that will optimize capabilities to be interoperable, be flexible to respond to changing demands and emerging infections and meet future data needs.

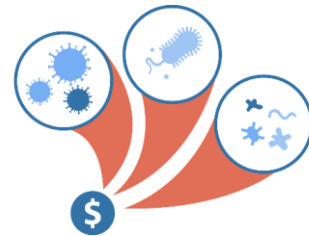
Aveva is designed to help collect all the data you need and unify your records in an easy-to-use platform that can meet the requirements of any Public Health program.



Top 10 Tips for System Modernization

1

Make sure the system you are evaluating can support multiple program areas and can be rapidly configured for new infections or data needs.



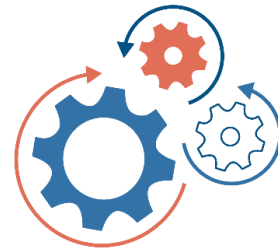
2

Is the system scalable for both your workforce and data transfer mechanisms?



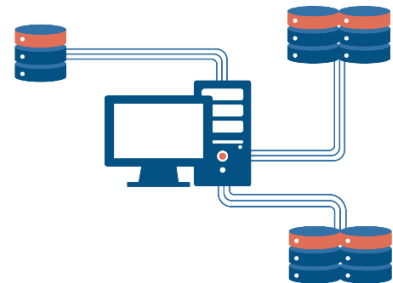
3

Will it easily adapt to meet new requirements, new feature development and emerging technologies without rebuilding the software or paying for time consuming and expensive upgrades?



4

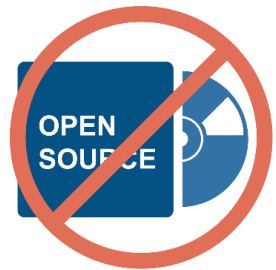
Is the system data agnostic? Does it adhere to the “play nice with other systems” rule, or are you locked in? Is it interoperable?



Top 10 Tips for System Modernization

5

Avoid open-source software that only performs one function well or several poorly [it's not really “free”]. And don't get trapped into building it yourself.



6

Avoid legacy systems reworked to meet yesterday's needs. Recycling old software is a huge and costly mistake.



7

Avoid systems that require your staff to perform critical functions outside of the platform and requires multiple data entry.



8

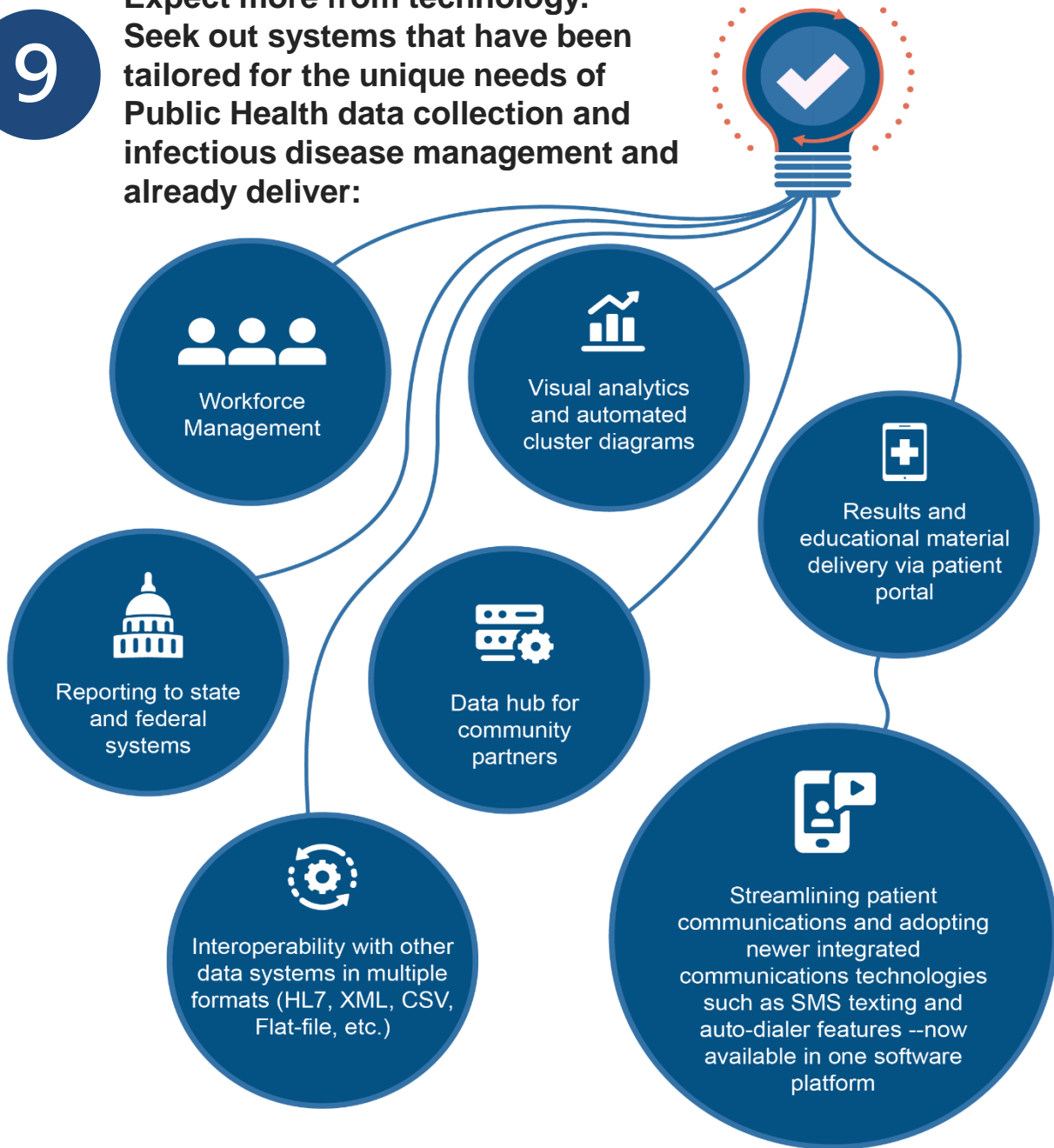
Avoid systems that are still in “build mode”. Often “big box” software not originally built for Public Health infectious disease management or data collection try to retrofit its platform into an industry. If they don't understand Public Health, they won't learn it in a few months.



Top 10 Tips for System Modernization

9

Expect more from technology. Seek out systems that have been tailored for the unique needs of Public Health data collection and infectious disease management and already deliver:



Top 10 Tips for System Modernization

10

Consider “newer” models of software delivery, such as Cloud computing models with Software-as-a-Service (SaaS) benefits:



May we be of assistance?

Aveva is expert at Public Health data collection and infectious disease prevention technology, because *Public Health is all we do.*

We have spent over a decade learning what the needs of DIS, Nurses, Clinicians, Epidemiologists, Program Administrators and Patients are when it comes to infectious disease management. If we can be of any assistance, please contact us at **1-855-660-1300**, info@AvevaTech.com or **AvevaTech.com/Contact-Us**.

About Aveva

Founded in 2010, Aveva has been responding to the system modernization and automation needs of Public Health organizations. We began by upgrading contact tracing, disease surveillance and clinic management capabilities, from single clinic settings to state-wide clinic operations and have expanded to meet the needs of any of the missions of the various Public Health disciplines.

