



BIZDATA

Healthcare Information Exchange (HIE)

www.bizdata360.com

info@bizdata360.com

Abstract

In this study, we evaluate the benefits Healthcare Information Exchange (HIE) between healthcare providers (hospitals, medical group practices) and payers, pharmacies, independent laboratories, radiology facilities, and other service providers. However, HIE has a few limits. In this article, we'll look at how we might overcome those obstacles and enhance analysis with the use of Bizdata's Bizintel360™.

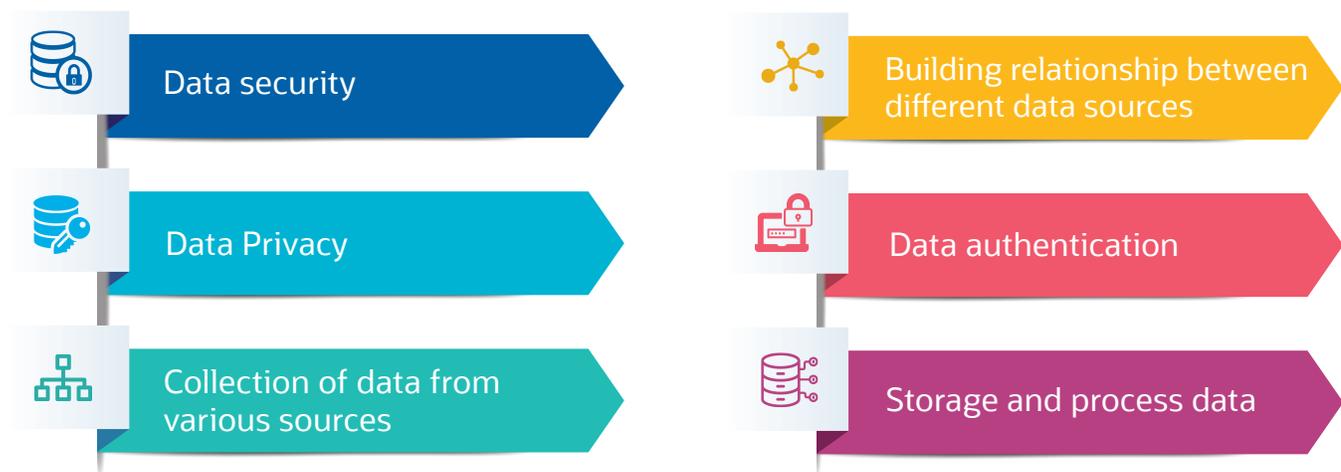
Improve your HIE analysis more proficient and effective with the help of Bizintel360™.

Health information exchange (HIE) is the electronic transfer of medical data between significant healthcare organisations and associated hospitals. It gives professionals a variety of opportunities, including the chance to verify correct and timely information regarding patients' medical histories, conditions, and treatments. Additionally, it offers patients a number of advantages and better health services, especially by lowering expenses and duplicating imaging and medical procedures. Healthcare organisations have begun to employ HIE more frequently, and it has been split into intra- and inter-system components. Healthcare professionals and providers stand to gain significantly from health information exchange (HIE), but it is unclear if and when this will happen. The broad implementation of HIE is a result of the expanding use of information technology. Although little is known about the state of adoption and difficulties in adopting HIE during the adoption, large hospitals and healthcare systems have been at the forefront of implementing HIE.

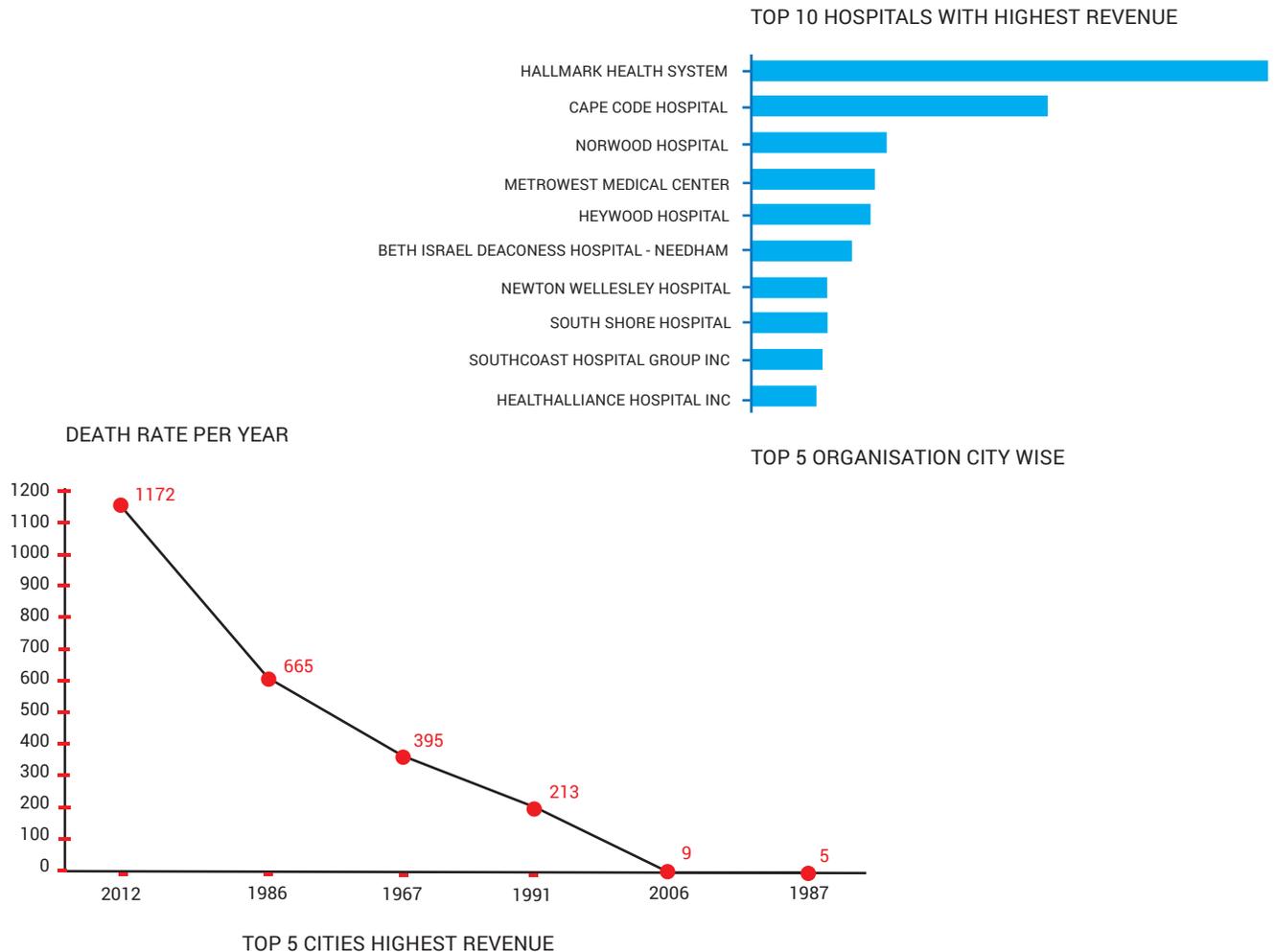
Barriers in Healthcare Information Exchange (HIE)

By enhancing patient information interchange electronically, healthcare professionals are better able to deliver healthcare services. The accessibility of outside health information may affect the ability of healthcare personnel to deliver high-quality services. Information exchange can be hampered by disparate Healthcare Information Exchange system and uneven methods of data storage. This are few problems that HIE faces but there are many operating issues that make the efficiency of HIE limited.

Some common reason behind this is



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Bizintel360™

Bizintel360™ is a new generation AI-driven analytic tool that is built to solve modern age problems that arise with time and change the dynamics of analysis and data interpretation.

The objective of Bizintel360™ is to assist businesses with sophisticated data processing and system automation, as well as by providing end-to-end insight into business operations and quick access to vital business data. This is in contrast to the traditional methods of advancing a company that has created an all-in-one platform, which can help the user with data gathering from numerous sources, visualization, root cause analysis, and many other tasks. In addition to making the user analytics journey easy, this is also a lot more effective than other conventional techniques.

Benefits of Bizintel360™

Auto Relationship building-

One of the most difficult aspects of data analysis is establishing connections between the data, however Bizintel360™ not only speeds up your analysis but also enables you to establish strong and meaningful links between the data. With our AI-powered auto relationship tool, you can quickly create a range of links and then select the necessary one among them.

Various Visualisation options and Interactive dashboard

You have access to a wide range of visualisation choices with Bizintel360 to enhance the effectiveness of your analysis. The user can select the graph that best suits their needs from a selection of options. The user interface of the Bizintel360 dashboard is made to be intuitive. The dashboard's interconnected graphs allow users to analyse the entire 360° perspective on a single page and generate insightful conclusions without requiring any further work on their part.

Collection of information from numerous sources

The fundamental idea of HIE is to bring all the information to one page because data is not available on just one platform and we need to comprehend all the components of analysis to be effective. As we emphasize that there is no one-size-fits-all coding solution, the advanced data collecting tool aids the user in gathering data from multiple sources and developing relationships among them in order to make relevant conclusions

First Name	Last Name	Gender	M.	Birth date	Birth Place	Care Pla	Care Pla	Care Pla	Encount	Encount	I..	I..	I..	M..	M..	M..	O..	O..	O..	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-30	2010-06-30	Null			Hydro...	2011-...	2011-...	2011-...	Pain s...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-16	2010-06-16	Null			Influ...	24 HR...	2011-...	2011-...	2011-...	Pain s...	Numeric
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-16	2010-06-16	Null			Influ...	24 HR...	2011-...	2011-...	2011-...	Pain s...	Numeric
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-16	2010-06-16	Null			Influ...	24 HR...	2011-...	2011-...	2011-...	Carbo...	Numeric
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	High...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Micro...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Calcium	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Sodium	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Potas...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Chloride...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Total...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Micro...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Tobac...	Text	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Hemo...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-10	2010-06-10	Null			Insulin...	2010-...	2010-...	2010-...	Systol...	Numeric	
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-06	2010-06-06	Null			Hep...	Insulin...	2010-...	2010-...	2010-...	Respir...	Numeric
Ted955	Howell947	M	M	1969-02-26	Boston Bassa...		Null	Null	2010-06-06	2010-06-06	Null			Hep...	Insulin...	2010-...	2010-...	2010-...	Carbo...	Numeric

Advanced lookup

The Bizintel360™ advance search feature allows you to perform a keyword search across many data sources or the internet. By doing this, you can narrow down your search and get exact results from a variety of online or offline data sources.

Efficiency of performance

With the aid of Bizintel360™, we used a text-driven analysis combined with a slicing and dicing tool, additional pages, and tabs. ETL, a data warehouse, a data model, or even a single data lake are not at all necessary.

Easy to use

Bizintel360 does not require any prior experience, it is a self-service tool that will do most of your process easier, and it will reduce your time, cost, and efforts.

HIE analysis with Bizintel360™

Analysis of a certain group

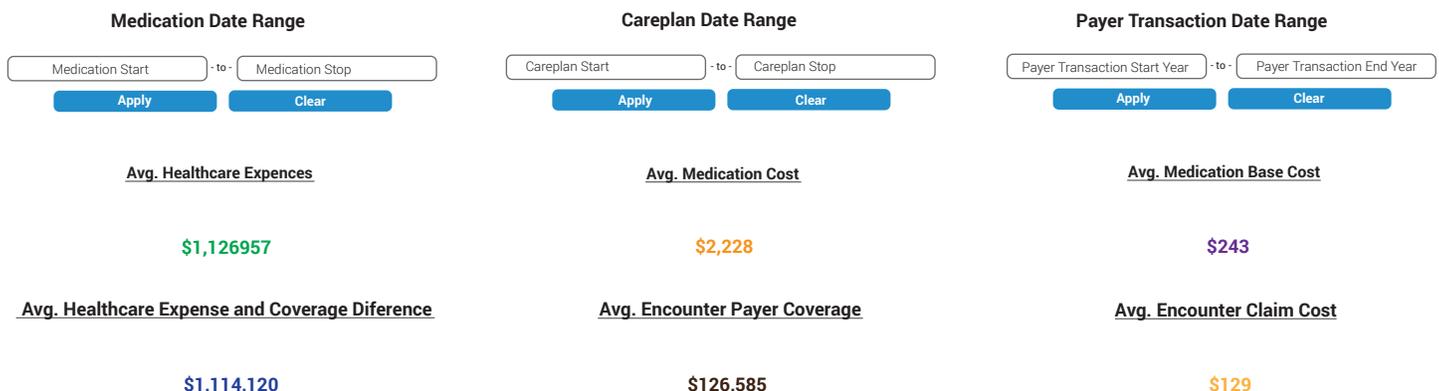
Bizintel360™ helps you to analyse a group of patient from the same geographical location to suffering from same medical condition to analyse patterns, behaviour and also the nature of the diseases as well.

Root cause and overall visibility in a single dashboard

Effective root cause analysis is made possible by a variety of visualizations and relationship-building intelligence, and an interactive dashboard makes it possible to see the results of the analysis as a whole on a single page.

Advanced filtering and keyword browsing options

The advanced filter option in Bizintel360™ helps you find medical results between the periods, patient category, medication methods, and many more. The advanced search option using keywords gives the user the leverage to find different solutions across the internet, which will narrow down the search and save time.



A unique reporting tool for data comparison.

Various reports can be analysed in a single page by the help of multipage view which will help the user to identify exactly what is going on in more than one reports and also compare it in a single page with our changing the screen which is not only convenient but also very effective and makes the process easy for the user.

A 360-degree picture of the patient's medical information and their life cycle

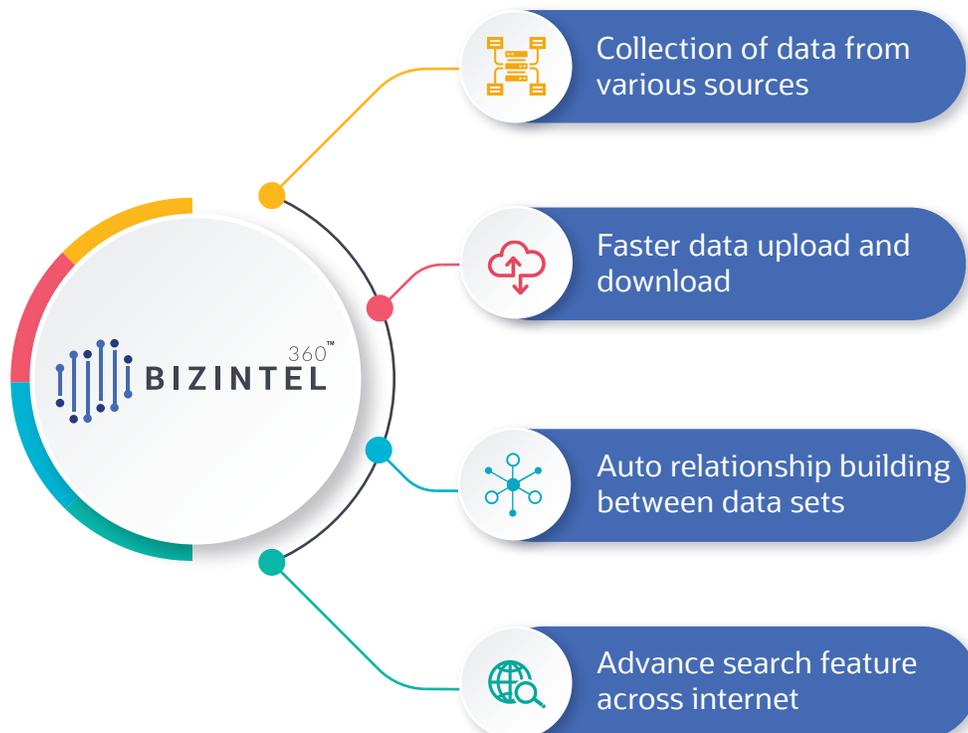
The primary goal of HIE is to find a 360° view of the patient's medical history. The interactive dashboards of Bizintel360™ are designed specifically to provide the same kind of service, including medication history, medical reports, previous care plans, and a proper diagnosis report on just one page, which will speed up the healing process significantly compared to the conventional method.

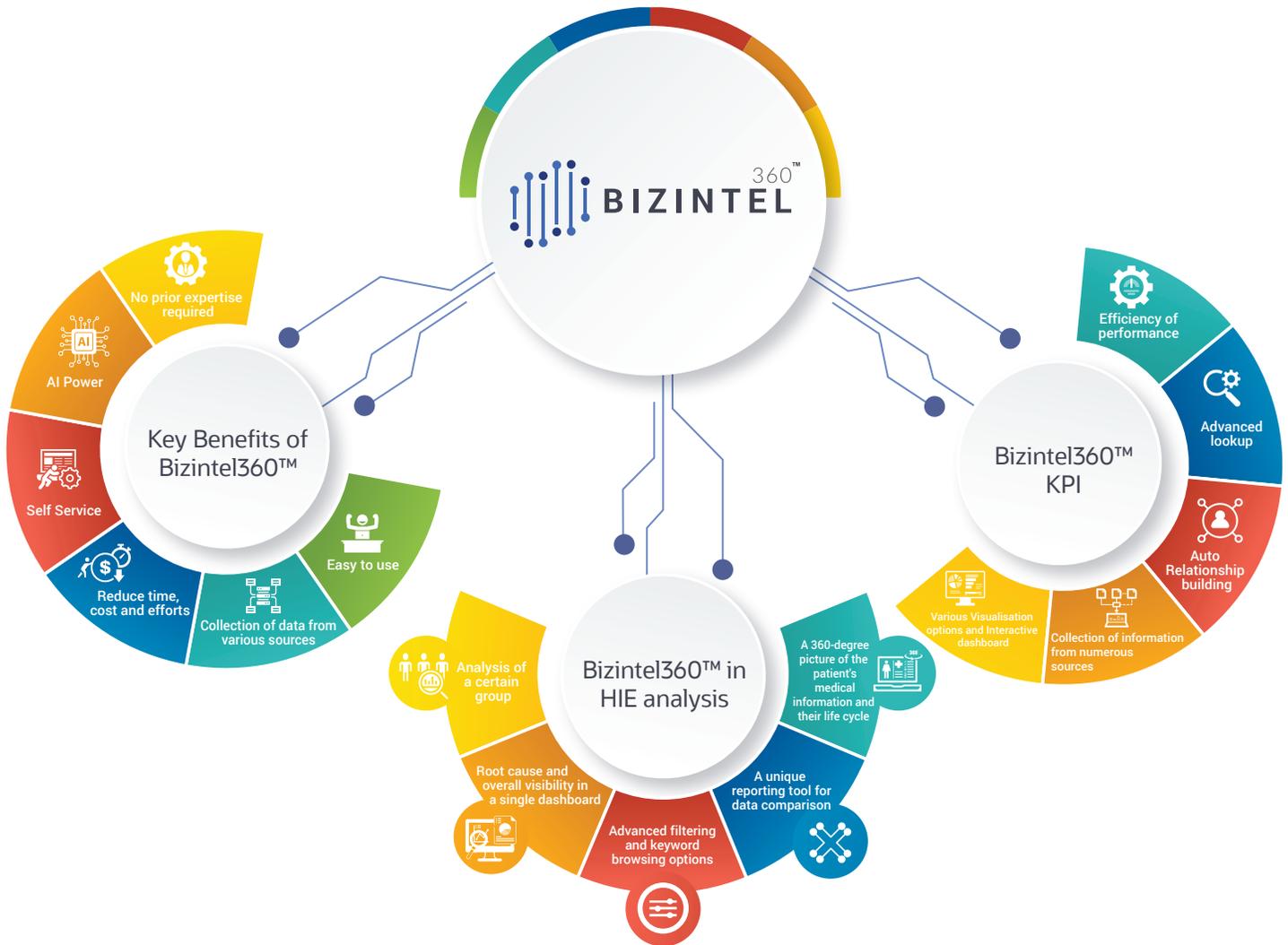
Overview Bizintel360™

All company customers can use Bizintel360™, a self-service big data analytics solution. Users are able to gain crucial access into corporate data at high speed because to Bizintel360™ own powerful search engine located right inside Dashboard and easy charts, graphs, and other visual aids.

The majority of businesses struggle to find timely and pertinent information about products and services. It is now challenging to synthesise, consume, and adopt new information due to the explosion in both volume and complexity of diverse data that is growing in the worldwide environment. Without having to have highly developed technical skills, Bizintel360™ gives business users the ability to visualise, connect to, and expose data from diverse sources and expose crucial trends, metrics, and insights.

Some of the key features of Bizintel360™ are







Bizdata Inc.
www.bizdata360.com

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Contact us at
+1-650-283-1644
info@bizdata360.com

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