

# IBM Watson Mega Analytical Database Supports Healthcare Solutions for Personal and Population Health

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 Doctor Evidence

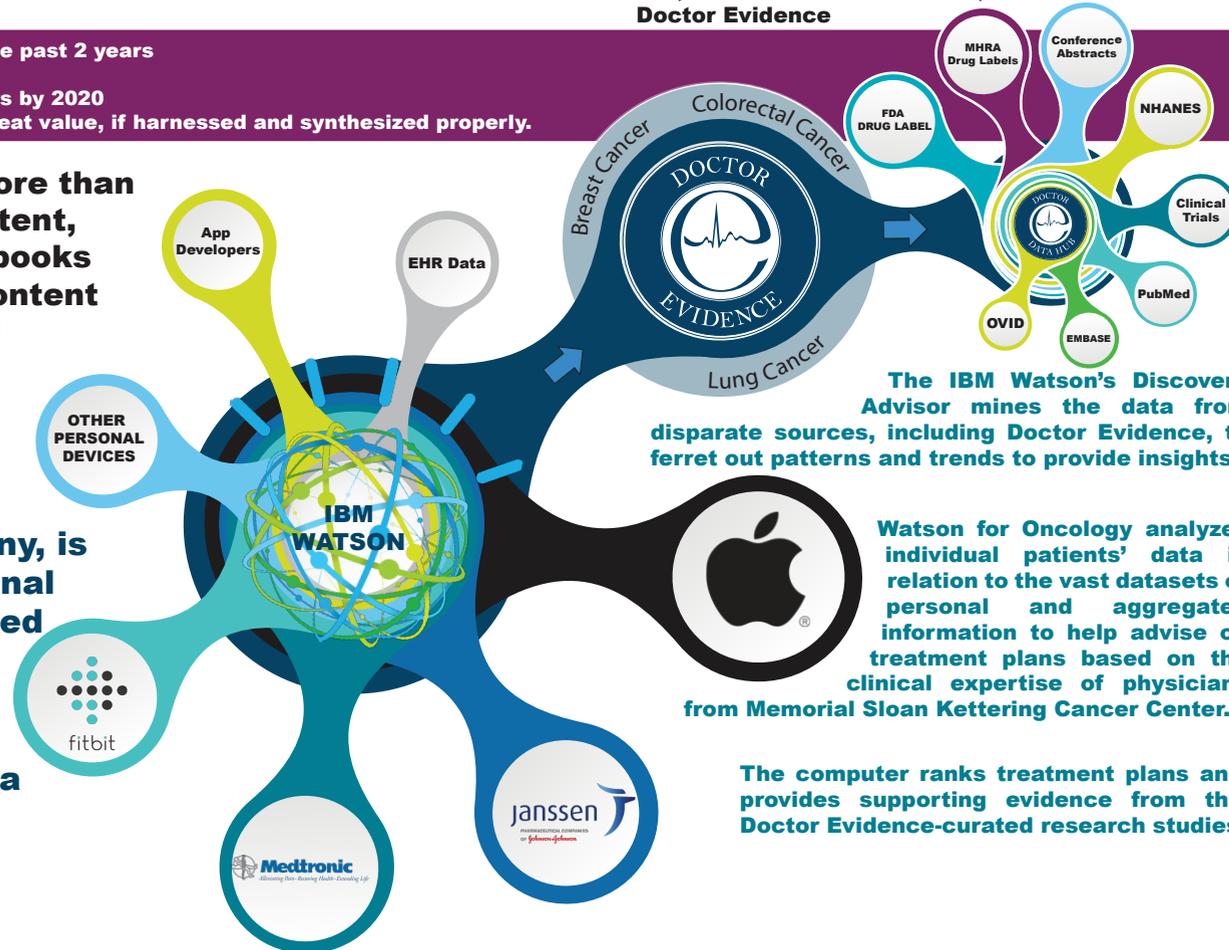
## CURRENT DATA:

- 90 % of all current data has been produced in the past 2 years
- This pace is accelerating
- Medical data is expected to double every 73 days by 2020
- This proliferation has the potential to provide great value, if harnessed and synthesized properly.

IBM Watson already contains more than 15 million pages of medical content, including over 200 medical textbooks and 300 medical journals and content from partners including medical professional societies and government agencies.

## Now...

Doctor Evidence (DRE), an evidence-based SaaS company, is contributing 2 million additional data points from peer-reviewed articles, clinical research studies, conference proceedings, epidemiology statistics, and drug label data from the US and Europe.



## Important Implications:

- Application developers should use the data-mining and processing capabilities of IBM Watson to develop health solutions such as clinical decision support (CDS) tools for personalized medicine.
- This mega computing power has the potential to support patients and their physicians with knowledge of how various treatment options might provide benefits or result in harms for patients matching their own unique set of characteristics.
  - This could even accommodate patients with multiple morbidities, long a barrier for most CDS.
- Applications could be developed to monitor for adverse events, detecting signals earlier, and mitigating risks.
  - Disease outbreaks could be recognized earlier.
- Implementation apps could identify discrepancies in outcomes between recommended care and real patient treatment patterns.
- The unique Watson/DRE resource can support innovative cutting-edge D&I applications.