

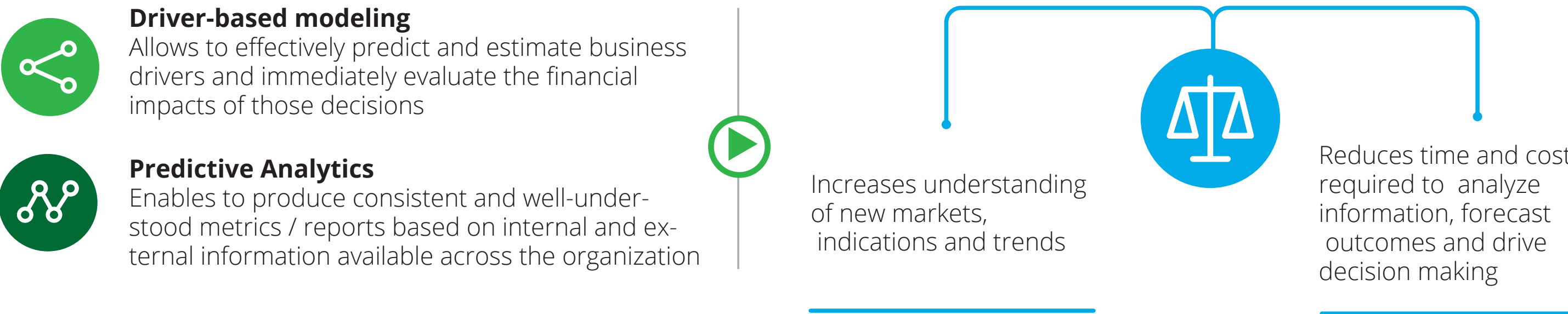
Sales forecasting within Life Sciences

A Deloitte point of view

Sales forecasting in the pharmaceutical industry is not always accurate, pre- and post- product launch. Deloitte sees **3 main** pillars to drive and increase forecasting process maturity

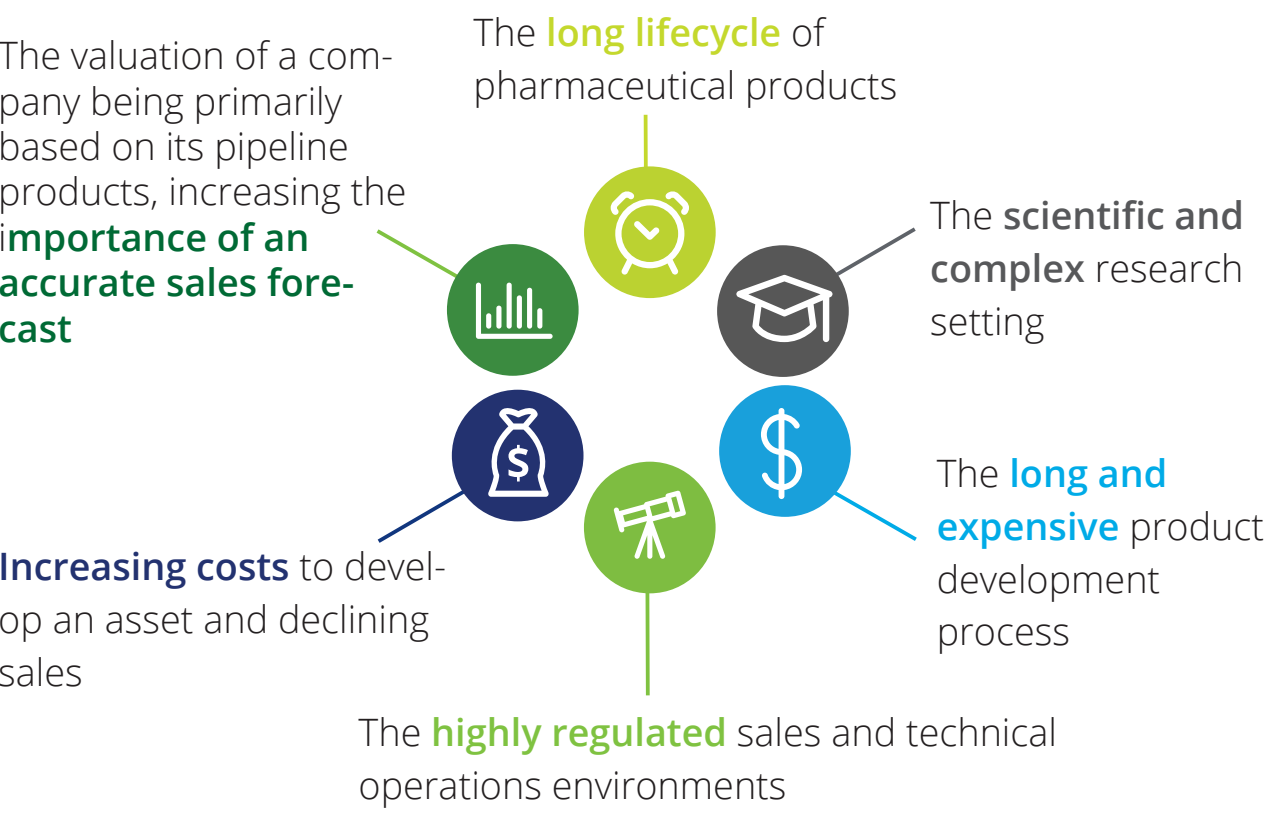


What is driver-based modeling & predictive analytics?



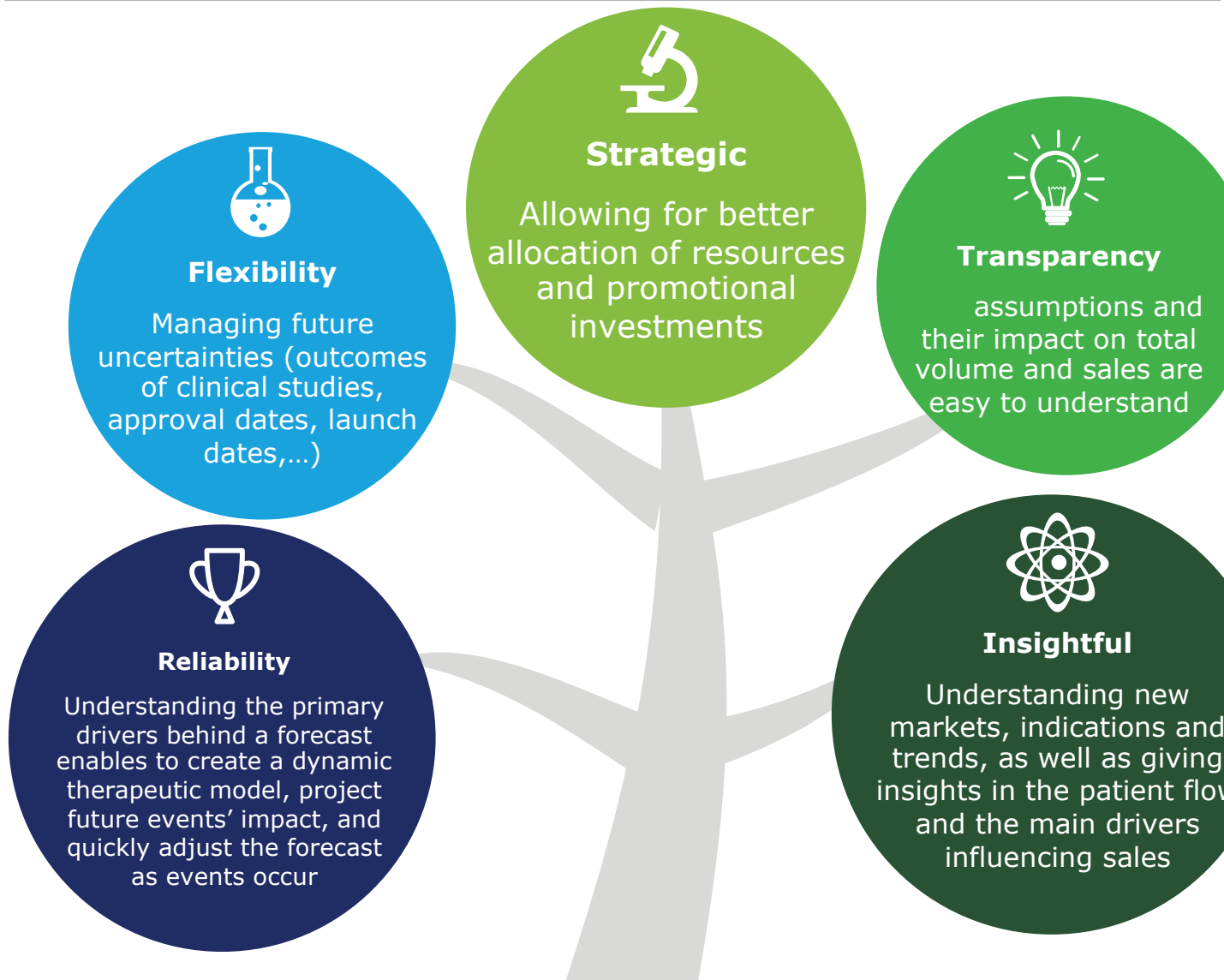
The specific nature of pharmaceuticals requires specialised methods: patient-based forecasting

Pharmaceutical companies face many **different challenges** in comparison to other manufacturing companies:



Specialized methods are required for the methodological framework and forecasting analytics used to support product sales projections and long term planning

Patients-Based Forecasting is a reliable approach that allows for a better understanding of the primary drivers behind the sales



The four steps of patient-based sales forecasting

1. Epidemiology & Segmentation Estimation of total market and population by indication and split of total number of patients into segments and subsegments	3. Volume Derivation Conversion of number of patients into a unified measure of unit with regards to the volume sold
2. Patient Shares & Penetration Rate Forecast of market share by brand per (sub)segment, relative to competition in each segment	4. Sales Conversion from volumes into sales by applying a certain price taking into account certain industry specific items e.g. Parallel trade, rebates,...

Contact us directly to discuss how to leverage Patient-based sales forecasting for your organisation



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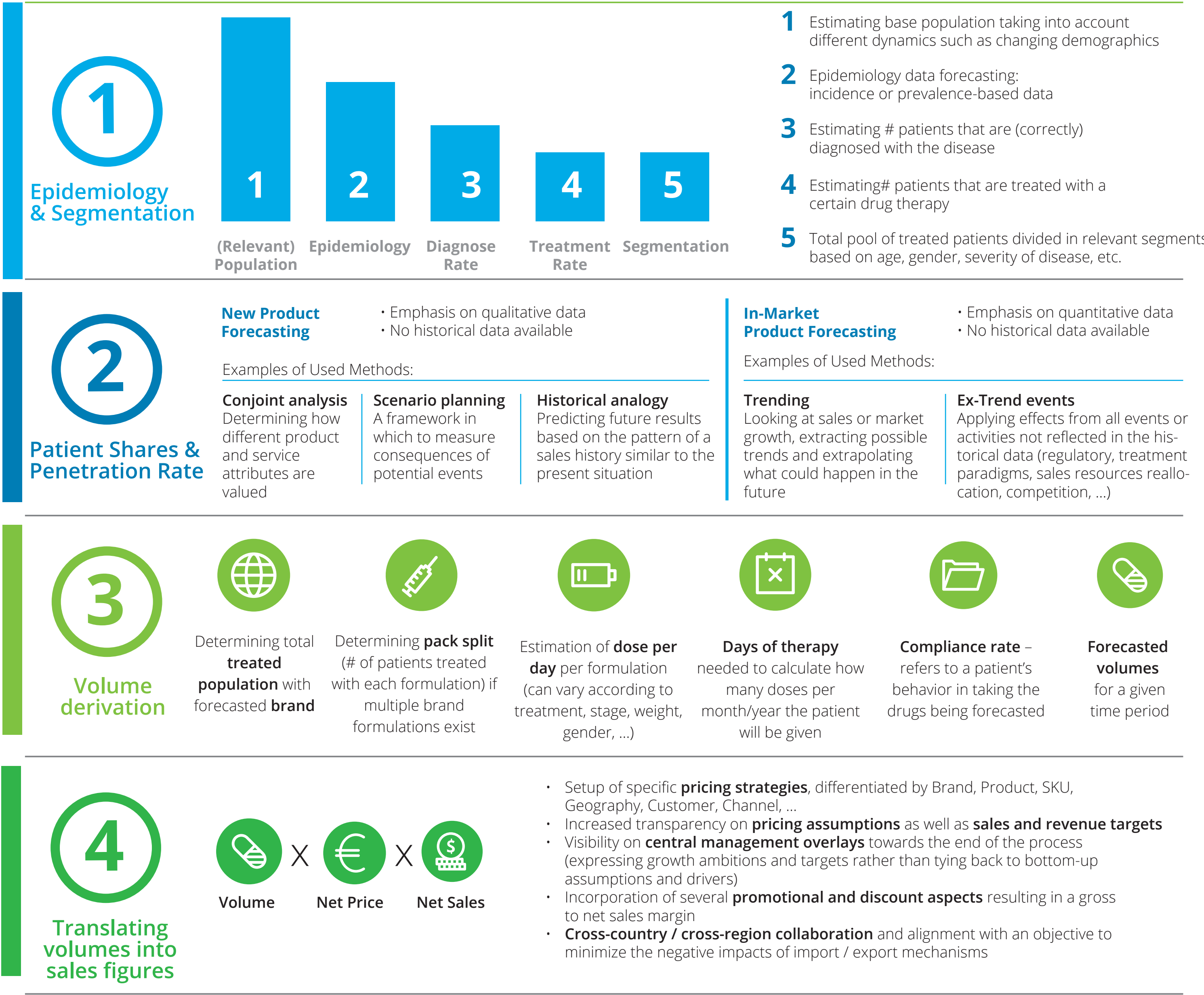


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The four steps of patient-based sales forecasting



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Patient Shares & Penetration Rate

New Product Forecasting

- Emphasis on qualitative data
- No historical data available

Examples of Used Methods:

Conjoint analysis

Determining how different product and service attributes are valued

Scenario planning

A framework in which to measure consequences of potential events

Historical analogy

Predicting future results based on the pattern of a sales history similar to the present situation

In-Market Product Forecasting

- Emphasis on quantitative data
- No historical data available

Examples of Used Methods:

Trending

Looking at sales or market growth, extracting possible trends and extrapolating what could happen in the future

Ex-Trend events

Applying effects from all events or activities not reflected in the historical data (regulatory, treatment paradigms, sales resources reallocation, competition, ...)

3

Volume derivation

Determining total treated population with forecasted brand

Determining pack split (# of patients treated with each formulation) if multiple brand formulations exist

Estimation of dose per day per formulation (can vary according to treatment, stage, weight, gender, ...)

Days of therapy needed to calculate how many doses per month/year the patient will be given

Compliance rate – refers to a patient’s behavior in taking the drugs being forecasted

Forecasted volumes for a given time period

4

Translating volumes into sales figures

Volume

×

Net Price

×

Net Sales

- Setup of specific pricing strategies, differentiated by Brand, Product, SKU, Geography, Customer, Channel, ...
- Increased transparency on pricing assumptions as well as sales and revenue targets
- Visibility on central management overlays towards the end of the process (expressing growth ambitions and targets rather than tying back to bottom-up assumptions and drivers)
- Incorporation of several promotional and discount aspects resulting in a gross to net sales margin
- Cross-country / cross-region collaboration and alignment with an objective to minimize the negative impacts of import / export mechanisms

How to unlock the full potential of patient-based sales forecasting?

