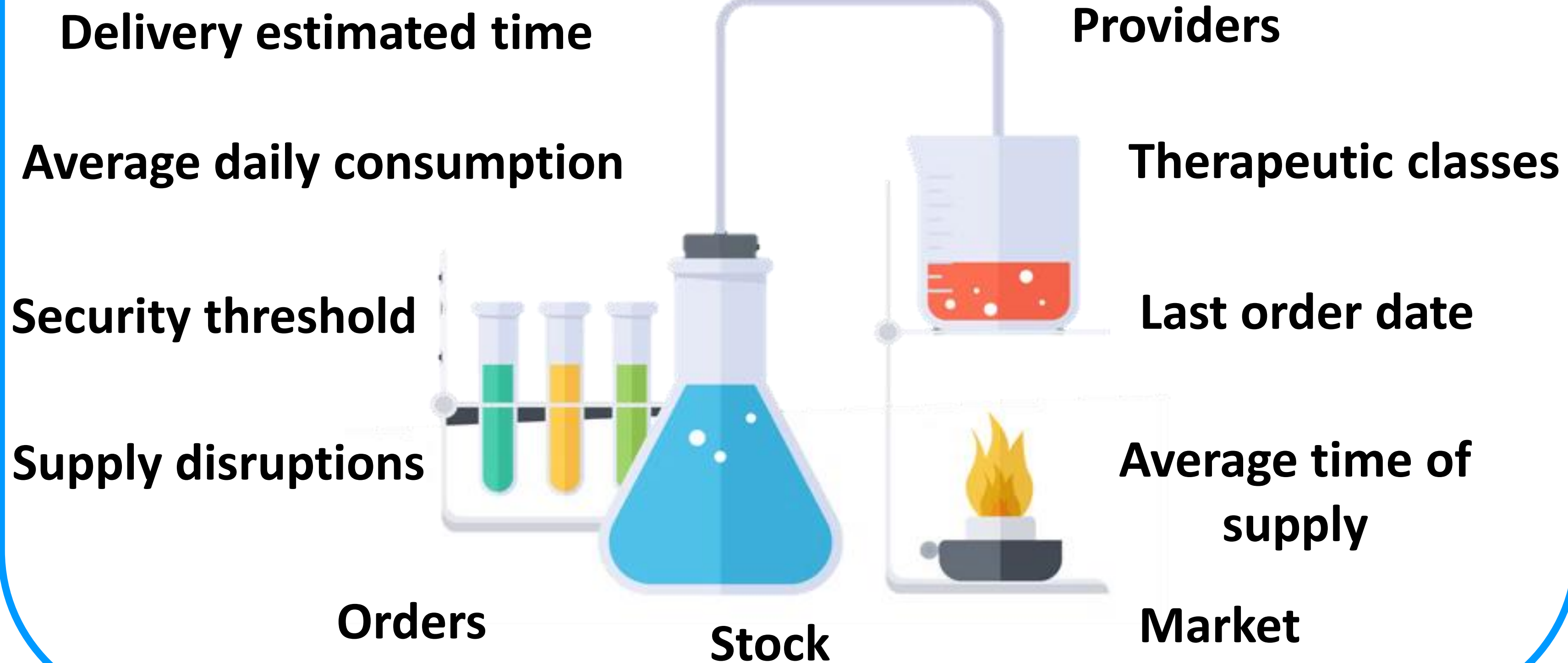


What was done ?

A dynamic stock management tool with all data needed

for a stock forecast

Specialties



Why was it done ?

- To provide a unique summary screen
- To permit a regular monitoring of inventory
- To prevent sudden shortages and to reduce the time spent to order
- To resolve issues the soonest

How was it done ?

3 daily data extractions to update the tool.

1. **Informations about product** (stock, providers, last order date...)

2. **Stock movements**

3. **Market informations**

Datas about **shortages** are daily updated using informations' providers.

CDE_jour Informations Marche Med_Mvts_stock

Thanks to specific formulas and filters, and referring to decision flowchart, this tool allow highlighting the order quantity threshold. Moreover it shows us shortages and the solution for it.

No Produit	Libelle1 Produit	REF / UCD	Code ATC	Co ndit	Zone Stock	Qté Sto ck	Qté Cde	Date Dern Cde	Seuil Sécu	Pré co	Fournisse ur	Délai Moy Réap	CMJ calculé e de 90	Qté à cder	jours de stocks/stock + qté en c	Stock suffisant pour X Jours	Rupture	Solution	Délai	N°Marché- Fiche march	N°Marché- Lot march		
114546	ABACAVIR LAMIVU	3400894238	J05AR02	30	RETR	90	0	#####	12	0	MYLAN SAS	3	2,29	18	-71	39	Stock ok pour X jours			197098	539		
#####	ABASAGLAR 100U	3400894179	A10AE04	1	L	12	0	#####	14	0	LILLY FRANC	3	3,34	27	12	1	A commander_Qtt stock inf à seuil de sécurité			197098	550		
#####	ABILIFY MAINTENA	3400894020	N05AX12	1	B	1	0	#####	1	0	OTSUKA PH	5	0,04	0	0	26	Stock ok pour X jours						
101452	ABILIFY MAINTENA	3400894124	N05AX12	1	B	1	0	#####	1	0	OTSUKA PH	2	0,04	0	0	26	Stock ok pour X jours						
#####	ABSTRAL 200 MCG	3400893285	N02AB03	10	STUP	75	0	#####	3	0	KYOWA KIRIN	5	0,27	2	-71	28	2	RUPTURE	ABSTRAL 10 SEMAINE 20				
#####	ACAMPROSATE 30	3400894013	N07BB01	180	A	196	0	#####	32	0	BIOGARAN	3	6,36	51	-145	31	Stock ok pour X jours						
#####	ACARBOSE 50 MG	3400893880	A10BF01	30	A	74	0	#####	2	0	ARROW GEN	3	0,22	2	-71	338	Stock ok pour X jours			197086	715		
#####	ACEBUTOLOL 200	3400892402	C07AB04	100	A	77	0	#####	7	0	ARROW GEN	5	0,55	4	-67	139	Stock ok pour X jours			197086	715		
#####	ACERUMEN UNIDO	8164638	S02DC	10	E	64	0	#####	9	0	GILBERT LA	7	1,28	10	-46	50	Stock ok pour X jours			SANS DELAI	197139	883	
#####	ACETYLCYSTEINE	3400893609	R05CB01	18	C	322	0	#####	60	0	EG LABO	5	9,07	73	-217	36	Stock ok pour X jours						
#####	ACICLOVIR 250 MG	3400892066	J05AB01	5	B	93	0	#####	80	0	MYLAN SAS	5	0,77	6	-9	121	Stock ok pour X jours			=vlookup(A2; 'DATAS' MARKET' ...	031	272	
#####	ACICLOVIR 500 MG	3400892066	J05AB01	5	B	133	0	#####	100	0	MYLAN SAS	5	3,03	24	-18	44	Stock ok pour X jours			=vlookup(A2; 'DATAS' SHORTAGE' ...	070	966	
#####	ACIDE ACETIQUE 3% 60 ML (P)		Y01P	1	PREP	2	0		0	N	LAB	0	0,06	0	-2	35	Stock ok pour X jours				197054	80	
119553	ACIDE ALENDRONIC	3400893504	M05BA04	12	A	14	0	#####	4	0	TEVA SANTE	6	0,58	5	-7	24	Stock ok pour X jours				197059	928	
#####	ACIDE FOLIQUE 0,4	3400892357	B03BB01	30	A	126	0	#####	16	0	CHIMIOETHER	4	4,04	32	-94	31	Stock ok pour X jours				197098	524	
#####	ACIDE FOLIQUE 5 M	3400893720	B03BB01	20	A	1207	0	#####	347	0	ARROW GEN	4	86,83	695	-513	1	3	Acommander pour tenir X jour				197098	524

$$\text{Average Daily Consumption (ADC)} = \frac{\text{Consumption over the last 3 month}}{90 \text{ days}}$$

Average Time to Supply (ATS : variable X)

$$\text{Quantity to order} = \text{ADC} * (\text{average time to supply} + \text{develery estimated time}) + \text{security threshold} - \text{stock quantity} - \text{order quantity}$$

$$= \text{O2} * (\$P1\$ + \text{M2}) + \text{J2} - \text{G2} - \text{H2}$$

$$\text{Stock days} = \frac{\text{Stock quantity} + \text{order quantity}}{\text{ADC}} = \frac{\text{G}}{\text{H}}$$

= IF(stock quantity + order quantity < security threshold;"Order because stock quantity < at the security threshold"; IF(stock quantity + order quantity < ATS; "Order to have X days stock"; "Stock OK for X days"))

- = IF(G2 + H2 < J2;"Order because stock quantity < at the security threshold"; IF(G2 + H2 < \$P1\$; "Order to have X days stock"; "Stock OK for X days"))
-
-

What has been achieved ?

- Gathering all required data and, reducing the need to other applications (such as NEWAC© and MAGH2©)
- Understanding the mechanism of order suggestions by displaying characteristics of some sectors (such as expensive products and chemotherapy)
- Improving the management of supply disruptions
- Significant time saving along the drug supply chain

What next ?

A fast response to overcome and handle sudden supply shortages

An organized supply chain

An optimized and secure patient care

Huge time saving

