

OBJECTIVE

Double visual check → Artificial intelligence management system (AIMS) via DRUGCAM®

To ensure that this security does not come at the expense of preparation availability times

MATERIALS & METHODS

Selection of the study weeks (W),
representative of our production

W1 : without AIMS
W2 : with AIMS



Patients from the Day Hospital are
studied (clinical trials excluded)

Only the parameters of the 1st chemotherapy
the protocol are kept

Data exportation from CHIMIO® towards a
spreadsheet

Day	Patient's identification number	Patient's arrival time = time of administration of the 1st chemo	Time of prescription	Time of release of the preparation	Timeframe for availability (in min)
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In case of an anticipated prescription, the
time considered will be the theoretical
patient's arrival time

Calculated parameters :
- Quartiles
- Means
- Standard deviation

Z-test for comparing means,
independant samples

RESULTS

Annual mean :
62.3 preparations/day

W1 : 62.2/day

W2 : 63.8/day

	W1	W2
Number of patients	147	151
Q1	0 min	0 min
Q2	7.5 min	14 min
Q3	27 min	29.2 min
90%	51.6 min	46 min
Mean	17.4 min	17.0 min



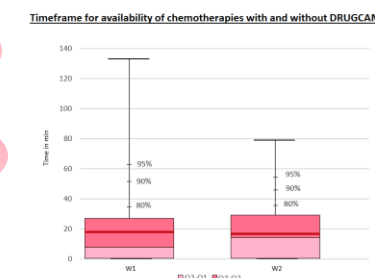
Q1 = 0 min because 25% of
the chemotherapies have an
anticipated prescription



90% of chemotherapies
are available in less than
1 hour without (W1) or
with (W2) AIMS



Means are visually
similar



Performing of the Z-test:

→ Means are not
significantly
different

CONCLUSION



No negative impact on the preparation availability times



99.3% of the production is secured by AIMS (DRUGCAM®)



Measuring the impact of the learning curve on
performance 6 months after the implementation of AIMS