



Mesure d'impact OPTIMEDOC

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OMéDIT Moi Tout!

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Objectifs

- Principal :
 - Evaluer l'impact du programme OPTIMEDOC sur le **nombre de médicaments prescrits**
- Secondaires :
 - Evaluer l'impact du programme OPTIMEDOC sur la **prévalence de la polymédication et de la polymédication excessive**
 - Evaluer l'impact du programme OPTIMEDOC sur le **nombre de médicaments potentiellement inappropriés (MPI)**
 - **Décrire les interventions thérapeutiques** réalisées et leur taux d'acceptation.

Méthode

Etude rétrospective multicentrique descriptive menée au sein de huit hôpitaux Normands.

Inclusions :

- Tous les patients ayant bénéficié du parcours patient OPTIMEDOC du 01/04/2022 au 28/02/2023

Extraction des données :

- BIMEDOC®

Médicaments potentiellement inappropriés :

- Tableau 3 de la liste REMEDIeS « unfavourable risk/benefit ratio and/or questionable efficacy”
 - Exemples : antihistaminiques de 1ère génération, Nefopam, antidépresseurs tricycliques ...

Roux B, Berthou-Contreras J, Beuscart JB, Charenton-Blavignac M, Doucet J, Fournier JP, et al. REview of potentially inappropriate MEDication pr[e]scribing in Seniors (REMEDI[e]S): French implicit and explicit criteria. Eur J Clin Pharmacol. nov 2021;77(11):1713-24.

Statistiques:

- Les données thérapeutiques avant et après l'optimisation thérapeutique ont été comparées à l'aide d'un **test de Wilcoxon de comparaison des différences de moyennes sur échantillons appariés**.

Résultats

Table 1. Baseline characteristics of the population.

Characteristics	Overall [n=575]
Age; in years	86.8 ± 5.5
Gender	
Female	351 (61.0)
Male	224 (39.0)
BADL; before admission	4.3 ± 1.6
Missing data	257
History of falls; (\leq 12 months)	
Yes	222 (62.2)
No	135 (37.8)
Missing data	218
Nutritional status	
No malnutrition	165 (54.3)
Malnutrition	113 (37.2)
Severe malnutrition	26 (8.5)
Missing data	271

Results are presented as mean ± sd and n (%) unless otherwise specified.

BADL: basic activities of daily living

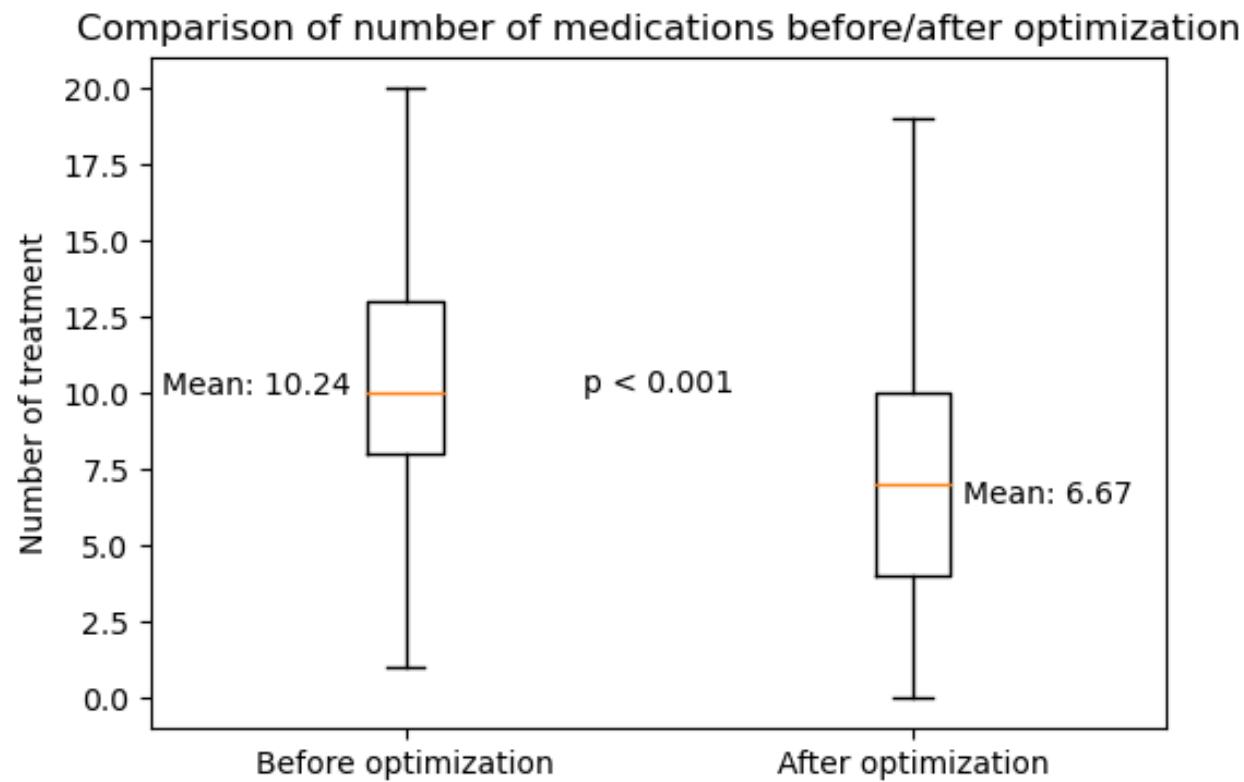
Table 2. Home treatment management of the population.

Characteristics	Overall [n=575]
Treatment delivery	
Patients	100 (27.0)
Caregivers	190 (51.4)
Nurses	81 (21.6)
Missing data	204
Treatment preparation	
Patients	95 (25.0)
Patients with pill box	44 (11.6)
Caregivers with pill box	46 (12.1)
Caregivers	27 (7.1)
Nurse with pill box	127 (33.4)
Nurse	41 (10.8)
Missing data	195
Treatment administration	
Patients	239 (63.6)
Caregivers	47 (12.5)
Nurses	90 (23.9)
Missing data	199

Results are presented as mean ± sd and n (%) unless otherwise specified

Résultats

Figure A. Impact of the OPTIMEDOC program on the number of prescribed medications.



Résultats

Table 3. Outcomes from OPTIMEDOC program.

	Before optimization [n=575]	After optimization [n=575]	p-value
Number of medications	10.2 ± 4.0	6.7 ± 4.2	p < 0.001**
Polypharmacy			p < 0.001†
<i>None; < 5</i>	33 (5.7)	163 (28.3)	
<i>Polypharmacy; [5; 9]</i>	215 (37.4)	263 (45.7)	
<i>Excessive polypharmacy; ≥ 10</i>	327 (56.9)	149 (26.0)	
Number of PIMs	0.7 ± 1.0	0.4 ± 0.6	p < 0.001**
Patients with ≥ 1 PIMs	283 (49.2)	167 (29.0)	p < 0.001‡

Results are presented as mean ± sd and n (%) unless otherwise specified

PIMs : Potentially Inappropriate Medications

†Wilcoxon signed-rank test

‡Paired Student's t-test

§McNemar test

Résultats

Table 4. Details of PIMs stopped during the OPTIMEDOC program.

Potentially inappropriate medication according to REMEDI[e]S		Before optimization [n = 378]	After optimization [n = 202]	Number of discontinued* [n = 176]
B/R6	Imipraminic antidepressants	122 (32.3)	63 (31.2)	59 (48.4)
B/R3	First step analgesics	75 (19.8)	37 (18.3)	38 (50.7)
B/R22	Antiplatelet agents	53 (14.0)	36 (17.8)	17 (32.1)
B/R35	Long-acting anxiolytic benzodiazepines	23 (6.1)	11 (5.4)	12 (52.2)
B/R10	Anxiolytics	14 (3.7)	4 (2.0)	10 (71.4)
B/R17	Immediate-release calcium channel blockers	25 (6.6)	15 (7.4)	10 (40.0)
B/R29	Antidiarrheals	10 (2.6)	2 (1.0)	8 (80.0)
B/R13	Urinary antispasmodics	16 (4.2)	10 (5.0)	6 (37.5)
B/R14	Anti-anginal	8 (2.1)	4 (2.0)	4 (50.0)
B/R27	Glinides	8 (2.1)	5 (2.5)	3 (37.5)
B/R39	5-alpha reductase inhibitors	10 (2.6)	8 (4.0)	2 (20.0)
B/R38	Cerebral vasodilators	3 (0.8)	1 (0.5)	2 (66.7)
B/R23	Veinotonics	4 (1.1)	2 (1.0)	2 (50.0)
B/R31	Antilulcer agents	2 (0.5)	1 (0.5)	1 (100.0)
B/R26	Hypoglycemic sulfonamides	1 (0.3)	0 (0.0)	1 (100.0)
B/R15	Antihypertensive drugs with central action	1 (0.3)	0 (0.0)	1 (100.0)
B/R9	Antivertigo agents	1 (0.3)	1 (0.5)	0 (0.0)
B/R25	Muscle relaxants	1 (0.3)	1 (0.5)	0 (0.0)
B/R16	Antihypertensive peripheral agents (alpha-1 blockers)	1 (0.3)	1 (0.5)	0 (0.0)

Results are presented as n (%) unless otherwise specified.

*Results for the variable Number of discontinued PIMs are presented as n, relative % decrease

Résultats

Table 5. Acceptance rate of pharmaceutical recommendations

Categories	Pharmaceutical Recommendations [n [†] = 6645]	Acceptance rate
Total	5,384 (81.0)	4,660 (86.6)*
Continue	2,812 (42.3)	2,722 (96.8)
Stop	1,270 (19.1)	1,126 (88.7)
Modified	1,011 (15.2)	812 (80.3)
<i>Switch</i>	312	-
<i>Increase of dosage</i>	3	-
<i>Decrease of dosage</i>	497	-
Other	291(4.4)	<i>missing data</i>
None	1,261 (19.0)	N/A

Results are presented as n (%) unless otherwise specified.

N/A : Not applicable

[†] Number of therapeutic lines analysed by hospital pharmacists

*As the acceptance rate for the "Other" category cannot be calculated, the number of pharmaceutical recommendations retained is the worst for this category (0)

Discussion

- Le parcours permet de :
 - Diminuer le nombre de médicaments prescrits
 - Diminuer la polymédication et la polymédication excessive
 - Diminuer la prescription de MPI.

Le taux d'acceptation des proposition est élevé : 86,6%.

Discussion

- Limites de l'étude :
 - Pas de population contrôle
 - Pas de données de suivi
 - Absence de critère de jugement clinique (réhospit, mortalité...)
- Forces de l'étude:
 - Multicentrique sur 8 centres
 - 575 patients inclus
 - Tient compte de critères de jugement quantitatifs et qualitatifs (MPI)