



## Supplementary Materials

Table S1. Search strategy for Pubmed.

Keywords and MeshWords for PubMed	
CDSS	("Decision Support Systems, Clinical"[Mesh] OR "CDSS"[tiab] OR "computerized decision support system"[tiab] OR "clinical decision support system"[tiab] OR "clinical decision support"[tiab] OR "computer-aided decision support"[tiab] OR "computer-assisted decision support"[tiab] OR "smartphone application"[tiab])
Antibiotics	"Anti-Bacterial Agents"[Mesh] OR "Anti-Infective Agents"[Mesh] OR Antibiotic*[tiab] OR Anti-biotic*[tiab] OR Antimicrobial*[tiab] OR Anti-microbial*[tiab] OR Antibacterial*[tiab] OR Anti-bacterial*[tiab] OR Antiinfective*[tiab] OR Anti-infective*[tiab]
French-language	"France" OR "French"

Table S2. Characteristics of *Antibioclic*.

Antibioclic		
Administration		
Name	Comité Antibioclic	
Funding	Nature	Public
	Name(s)	- French Infectious Diseases Society (SPILF) - French College of General Medicine (CMG) - French College of Teaching General Practitioners (CNGE)
Scientific references		Guidelines from scientific societies, French Infectious Diseases Society (SPILF), College of Professors of Infectious and Tropical Diseases (CMIT), French National Authority for Health (HAS)
Date of creation		2011
Updating	Last	April 2021
	Frequency	Monthly
Contact		contact.antibioclic@gmail.com
Access		
Cost		Free
Smartphone app		Yes
iOS		Yes
Downloads (n)		N/A
Reviews (n)		25
Rating (/5)		5
Android		Yes
Downloads (n)		N/A
Reviews (n)		138
Rating (/5)		4,5
Website		Yes
Website URL		<a href="https://antibioclic.com/">https://antibioclic.com/</a>
Users/day (n)		5365 (2018)
Requests/day (n)		11 125 (2018)
Offline mode		Yes
Software		No
Local parameterization possible		No

	Developer	No
	User	No
	Users	
	Primary care	Yes
	Dental medicine	No
	Hospital medicine	No
	Surgical prophylaxis	No
	Patients	
	Children	Yes
	Pregnant women	Yes
	Breastfeeding	Yes
	Chronic kidney disease	Yes
	Informations required	
	Urinary tract infections	
	Genital infections	
	Upper respiratory tract infections	
	Lower respiratory tract infections	
	Skin and soft tissues infections	
	Digestive tract infections	
	Prophylaxis	
	COVID-19	
	Site of infection	
	Nature of infection	
	Patient profile (Adults/Children)	
	Pregnant women	
	Breastfeeding	
	Chronic Kidney Disease	
	Additional information about infection	
	Type of information provided	
	Antibiotic selection	Yes
	Priority	Yes
	Dose	Yes
	Route of administration	Yes
	Duration	Yes
	Allergy	Yes
	Side effects	No
	Adaptation GFR	Yes
	Prescription printing	Only on Antibioclic+ (additional service for users in the Parisian area)
	Context and reminders	Yes
	Locally adapted	No
	Scientific sources cited	Yes
	References	<p>- Jeanmougin et al. [Antibioclic: a tool for rational antibiotic therapy in primary care]. <i>Rev Prat</i> 2012</p> <p>- Delory et al. [A computerized decision support system (CDSS) for antibiotic prescription in primary care—Antibioclic: implementation, adoption and sustainable use in the era of extended antimicrobial resistance]. <i>Journal of Antimicrobial Chemotherapy</i> 2020</p>
	Description	<p>CDSS description</p> <p>Implementation process and utilization</p>

**Table S3.** Characteristics of *Antibiogarde*.

Antibiogarde		
Administration		
Name		Association des Auteurs d'ANTIBIOGARDE
Funding	Nature	Public
	Name(s)	French National Authority for Health (HAS)
Scientific references		National guidelines mainly from French Infectious Diseases Society (SPILF), College of Professors of Infectious and Tropical Diseases (CMIT), French Society of Anesthesia and Intensive Care Medicine (SFAR), French Intensive Care Society (SRLF), French Society of Respiratory Diseases (SPLF) and French National Authority for Health (HAS)
Date of creation		2003
Updating	Last	2020
	Frequency	Yearly
Contact		contact@antibiogarde.org
Access		
Cost		7,99 € per year for website 9,99 € per year for iOS app
Smartphone app		Yes
iOS		Yes
Downloads (n)		N/A
Reviews (n)		2
Rating (/5)		5
Android		No
Downloads (n)		N/A
Reviews (n)		N/A
Rating (/5)		N/A
Website		Yes
Website URL	https://webhopital.antibiogarde.org/login	
Users/day (n)		N/A
Requests/day (n)		N/A
Offline mode		Yes
Software		Yes (via hospital Intranet)
Local parameterization possible		Yes
Developer		Yes
User		N/A
Users		
Primary care		Yes
Dental medicine		Yes
Hospital medicine		Yes
Surgical prophylaxis		No
Patients		
Children		Yes (incomplete)
Pregnant women		Yes (incomplete)

Breastfeeding	No
Chronic kidney disease	Yes
Informations	
Type of infection	Urinary tract infections Genital infections Upper respiratory tract infections Lower respiratory tract infections Skin and soft tissues infections Digestive tract infections Central nervous system infections Bone and joint infections Eye infections Dental infections Febrile neutropenia
Systematic criteria	Site of infection Nature of infection
Optional criteria	Additional information about infection or patient
Type of information provided	
Antibiotic selection	Yes
Priority	Yes
Dose	Yes
Route of administration	Yes
Duration	Yes
Allergy	Yes
Side effects	No
Adaptation GFR	Yes
Prescription printing	No
Context and reminders	Yes
Locally adapted	No
Scientific sources cited	Yes
References	No
Description	N/A

**Table S4.** Characteristics of *Antibiogilar*.

Antibiogilar		
Administration		
Name		Groupement d'Infectiologie et de Lutte contre l'Antibio Résistance (GILAR)
Funding	Nature	Public
	Name(s)	- ARS Hauts-de-France - Groupement d'Infectiologie et de Lutte contre l'Antibio Résistance
Scientific references		Local and national guidelines from French Infectious Diseases Society (SPILF), French National Agency for the Safety of Medicines (ANSM), French National Authority for Health (HAS)
Date of creation		February 2019
Updating	Last	May 2021
	Frequency	Monthly
Contact		antibiogilar@gmail.com
Access		
Cost		Free

Smartphone app	Yes
	iOS
Downloads (n)	N/A
Reviews (n)	5
Rating (/5)	4,8
Android	Yes
Downloads (n)	N/A
Reviews (n)	11
Rating (/5)	4,5
Website	Yes
Website URL	<a href="https://www.gilar.org/antibiogilar">https://www.gilar.org/antibiogilar</a>
Users/day (n)	N/A
Requests/day (n)	N/A
Offline mode	Yes
Software	No
Local parameterization possible	Yes
Developer	Yes
User	N/A
Users	
Primary care	Yes
Dental medicine	No
Hospital medicine	Yes
Surgical prophylaxis	Yes
Patients	
Children	Yes
Pregnant women	Yes (incomplete)
Breastfeeding	No
Chronic kidney disease	Yes
Informations	
Type of infection	Urinary tract infections
	Genital infections
	Upper respiratory tract infections
	Lower respiratory tract infections
	Skin and soft tissues infections
	Digestive tract infections
	Prophylaxis
	Central nervous system infections
	Cardiovascular infections
	Bone and joint infections
	Febrile neutropenia
	COVID-19
Systematic criteria	Site of infection
Optional criteria	Nature of infection
Additionnal information about infection or patient	
Type of information provided	
Antibiotic selection	Yes
Priority	Yes
Dose	Yes
Route of administration	Inconstant
Duration	Yes
Allergy	Yes
Side effects	No
Adaptation GFR	Yes
Prescription printing	No
Context and reminders	Yes

Locally adapted	Yes
Scientific sources cited	Yes
References	No
Description	N/A

**Table S5.** Characteristics of *antibioGUIDE* (Basse-Normandie).

antibioGUIDE (Basse-Normandie)		
Administration		
Name	Omedit Basse-Normandie	
	ARS Basse-Normandie	
	CClin-ARlin Basse-Normandie	
Funding	Nature	Public
	Name(s)	ARS Basse-Normandie
Scientific references	International and national guide- lines from French Infectious Dis- eases Society (SPILF), College of Professors of Infectious and Tropi- cal Diseases (CMIT), French Na- tional Authority for Health (HAS), Infectious Diseases Society of Amer- ica (IDSA), French National Agency for the Safety of Medicines (ANSM)	
Date of creation		April 2015
Updating	Last	July 2015
	Frequency	< yearly
Contact	ars-bnormandie-omedit@ars.sante.fr	
Access		
Cost	Free	
Smartphone app	Yes	
iOS	Yes	
Downloads (n)	N/A	
Reviews (n)	N/A	
Rating (/5)	N/A	
Android	Yes	
Downloads (n)	N/A	
Reviews (n)	N/A	
Rating (/5)	N/A	
Website	Yes	
Website URL	http://antibioguide.free.fr/	
Users/day (n)	N/A	
Requests/day (n)	N/A	
Offline mode	Yes	
Software	No	
Local parameterization possible	No	
Developer	No	
User	No	
Users		
Primary care	Yes	
Dental medicine	No	
Hospital medicine	Yes	
Surgical prophylaxis	No	
Patients		
Children	Yes (incomplete)	
Pregnant women	Yes (incomplete)	

Breastfeeding	No
Chronic kidney disease	No (refers to GPR website)
Informations	
Type of infection	Urinary tract infections
	Genital infections
	Upper respiratory tract infections
	Lower respiratory tract infections
	Skin and soft tissues infections
	Digestive tract infections
	Central nervous system infections
	Bone and joint infections
Systematic criteria	Febrile neutropenia
	Site of infection
Nature of infection	
Optional criteria	Additionnal information about patient or infection
Type of information provided	
Antibiotic selection	Yes
Priority	Inconstant
Dose	Yes
Route of administration	Inconstant
Duration	Yes
Allergy	Yes
Side effects	No
Adaptation GFR	No
Prescription printing	No
Context and reminders	No
Locally adapted	No
Scientific sources cited	Yes
References	No
Description	N/A

**Table S6.** Characteristics of *Antibioguide* (Perpignan).

Antibioguide (Perpignan)		
Administration		
Name		Commission des anti-infectieux du CH de Perpignan
Funding	Nature	Public
	Name(s)	N/A
Scientific references		National guidelines from French Infectious Diseases Society (SPILF), French National Agency for the Safety of Medicines (ANSM), French National Authority for Health (HAS)
Date of creation		2018
Updating	Last	January 2020
	Frequency	Yearly
Contact		aurelia.eden@ch-perpignan.fr
Access		
	Cost	Free
	Smartphone app	Yes
	iOS	No
	Downloads (n)	N/A
	Reviews (n)	N/A

	Rating (/5)	N/A
	Android	Yes
	Downloads (n)	N/A
	Reviews (n)	8
	Rating (/5)	5
Website		No
	Users/day (n)	N/A
	Requests/day (n)	N/A
	Offline mode	No
	Software	No
	Local parameterization possible	No
	Developer	No
	User	No
	Users	
	Primary care	Yes
	Dental medicine	No
	Hospital medicine	Yes
	Surgical prophylaxis	No
	Patients	
	Children	Yes (incomplete)
	Pregnant women	Yes (incomplete)
	Breastfeeding	No
	Chronic kidney disease	No
	Informations	
	Urinary tract infections	
	Genital infections	
	Upper respiratory tract infections	
	Lower respiratory tract infections	
	Skin and soft tissues infections	
	Digestive tract infections	
	Central nervous system infections	
	Bone and joint infections	
	Febrile neutropenia	
	Site of infection	
	Nature of infection	
Systematic criteria		
Optional criteria	Additionnal information about infection or patient	
	Type of information provided	
	Antibiotic selection	Yes
	Priority	Yes
	Dose	Yes
	Route of administration	Yes
	Duration	Yes
	Allergy	Yes
	Side effects	No
	Adaptation GFR	No
	Prescription printing	No
	Context and reminders	No
	Locally adapted	No
	Scientific sources cited	No
	References	No
	Description	N/A



**Table S7.** Characteristics of *AntibioEst*.

AntibioEst		
Administration		
Name		Association AntibioEst
Funding	Nature	Public
Name(s)		- ARS Grand-Est - Association AntibioEst
Scientific references		European and national guidelines from scientic societies, French Infectious Diseases Society (SPILF), French National Authority for Health (HAS)
Date of creation		2018
Updating	Last	June 2021
	Frequency	Yearly
Contact		antibioest@chru-nancy.fr
Access		
Cost		Free
Smartphone app		Yes
iOS		Yes
Downloads (n)		N/A
Reviews (n)		5
Rating (/5)		4,8
Android		Yes
Downloads (n)		N/A
Reviews (n)		5
Rating (/5)		4,2
Website		Yes
Website URL		https://guides.antibioest.org/
Users/day (n)		N/A
Requests/day (n)		N/A
Offline mode		No
Software		No
Local parameterization possible		No
Developer		No
User		No
Users		
Primary care		Yes
Dental medicine		Yes
Hospital medicine		Yes
Surgical prophylaxis		Yes
Patients		
Children		Yes
Pregnant women		Yes (incomplete)
Breastfeeding		No
Chronic kidney disease		Yes
Informations		
Type of infection	Urinary tract infections	
	Genital infections	
	Upper respiratory tract infections	
	Lower respiratory tract infections	
	Skin and soft tissues infections	
	Digestive tract infections	
	Prophylaxis	
Central nervous system infections		

	Cardiovascular infections
	Bone and joint infections
	Febrile neutropenia
	Bloodstream infections
	Eye infections
	Dental infections
Systematic criteria	Site of infection
	Nature of infection
Optional criteria	Additionnal information about infection, pathogen or patient
Type of information provided	
Antibiotic selection	Yes
Priority	Yes
Dose	Yes
Route of administration	Yes
Duration	Yes
Allergy	Yes
Side effects	No
Adaptation GFR	Yes
Prescription printing	No
Context and reminders	Yes
Locally adapted	No
Scientific sources cited	Yes
References	No
Description	N/A

**Table S8.** Characteristics of *APPLIBIOTIC*.

APPLIBIOTIC		
Administration		
Name		Polyclinique Bordeaux Nord
Funding	Nature	Private
	Name(s)	Polyclinique Bordeaux Nord
Scientific references		Local and national guidelines from French scientific societies (SFAR, SRLF, SPILF, CNGOF, SFRP, GPPiP, GRIOGO), French National Agency for the Safety of Medicines (ANSM), French National Authority for Health (HAS)
Date of creation		March 2017
Updating	Last	October 2019
	Frequency	Variable
Contact		applibiotic@bordeauxnord.com
Access		
Cost		Free
Smartphone app		Yes
iOS		Yes
Downloads (n)		N/A
Reviews (n)		4
Rating (/5)		5
Android		Yes
Downloads (n)		N/A
Reviews (n)		21
Rating (/5)		4,8

Website	No
	Users/day (n)
Requests/day (n)	N/A
	Offline mode
Software	Yes
Local parameterization possible	No
Developer	No
User	No
Users	
Primary care	Yes
Dental medicine	Yes
Hospital medicine	Yes
Surgical prophylaxis	Yes
Patients	
Children	Yes
Pregnant women	Yes (incomplete)
Breastfeeding	No
Chronic kidney disease	No
Informations	
Type of infection	Urinary tract infections
	Genital infections
	Upper respiratory tract infections
	Lower respiratory tract infections
	Skin and soft tissues infections
	Digestive tract infections
	Prophylaxis
	Central nervous system infections
	Cardiovascular infections
	Bone and joint infections
	Febrile neutropenia
	Eye infections
	Central venous catheter-related infections
	Dental infections
	Site of infection
Systematic criteria	Nature of infection
Optional criteria	Additionnal information about infection, pathogen or patient
Type of information provided	
Antibiotic selection	Yes
Priority	Yes
Dose	Yes
Route of administration	Yes
Duration	Yes
Allergy	Yes
Side effects	No
Adaptation GFR	No
Prescription printing	No
Context and reminders	Yes
Locally adapted	No
Scientific sources cited	Yes
References	No
Description	N/A

**Table S9.** Characteristics of *ePOPI*.

ePOPI		
Administration		
Name		College of Professors of Infectious and Tropical Diseases (CMIT)
Funding	Nature	Public
	Name(s)	College of Professors of Infectious and Tropical Diseases (CMIT)
Scientific references		International, european and national guidelines from World Heath Organization (WHO), European Medicines Agency (EMA), French National Agency for the Safety of Medicines (ANSM), French Public Health Council (HSCP), French National Authority for Health (HAS) and scientific societies
Date of creation		2014
Updating	Last	July 2021
	Frequency	Monthly
Contact		contact@epopi.fr
Access		
Cost		33,00 € per year
Smartphone app		Yes
iOS		Yes
Downloads (n)		N/A
Reviews (n)		5
Rating (/5)		2,4
Android		Yes
Downloads (n)		N/A
Reviews (n)		11
Rating (/5)		3,5
Website		Yes
Website URL		https://epopi.fr/
Users/day (n)		N/A
Requests/day (n)		N/A
Offline mode		Yes
Software		No
Local parameterization possible		No
Developer		No
User		No
Users		
Primary care		Yes
Dental medicine		Yes
Hospital medicine		Yes
Surgical prophylaxis		Yes
Patients		
Children		Yes
Pregnant women		Yes
Breastfeeding		Yes
Chronic kidney disease		Yes
Informations		
Type of infection	Extensive list of infections caused by bacteria, viruses, parasites and fungi including :	

Systematic criteria	Urinary tract infections
	Genital infections
	Upper respiratory tract infections
	Lower respiratory tract infections
	Skin and soft tissues infections
	Digestive tract infections
	Prophylaxis
	Central nervous system infections
	Cardiovascular infections
	Bone and joint infections
	Febrile neutropenia
	Eye infections
	Central venous catheter-related infections
	Dental infections
Optional criteria	Bloodstream infections
	Site of infection
Nature of infection	
Additionnal information about infection, pathogen or patient	
Type of information provided	
Antibiotic selection	Yes
Priority	Yes
Dose	Yes
Route of administration	Yes
Duration	Yes
Allergy	Yes
Side effects	Yes
Adaptation GFR	Yes
Prescription printing	No
Context and reminders	Yes
Locally adapted	No
Scientific sources cited	Yes
References	No
Description	N/A

**Table S10.** Characteristics of *Prescriptor*.

<b>Prescriptor</b>		
Administration		
Name		RFCLIN-PRIMAIR
Funding	Nature	Public
	Name(s)	ARS Franche-Comté
Scientific references		Local and national guidelines from SPILF, CMIT, HAS, SFAR and scientific literature
Date of creation		2014
Updating	Last	March 2017
	Frequency	< yearly
Contact		jleroy@chu-besancon.fr
Access		
Cost		Free
Smartphone app		No
iOS		No
Downloads (n)		N/A
Reviews (n)		N/A
Rating (/5)		N/A

	Android	No
	Downloads (n)	N/A
	Reviews (n)	N/A
	Rating (/5)	N/A
Website		Yes
Website URL	<a href="https://guides-bua.azurewebsites.net/">https://guides-bua.azurewebsites.net/</a>	
	Users/day (n)	N/A
	Requests/day (n)	N/A
	Offline mode	Yes
	Software	Yes
	Local parameterization possible	No
	Developer	No
	User	No
	Users	
	Primary care	Yes
	Dental medicine	No
	Hospital medicine	Yes
	Surgical prophylaxis	No
	Patients	
	Children	No
	Pregnant women	Yes (incomplete)
	Breastfeeding	No
	Chronic kidney disease	No
	Informations	
	Urinary tract infections	
	Infections in obstetrics and gynecology	
	Intra-abdominal infections	
	Central venous catheter-related infections	
	Antibiotic prophylaxis in pregnancy	
	Site of infection	
	Nature of infection	
	Additional information about infection, pathogen or patient	
	Type of information provided	
	Antibiotic selection	Yes
	Priority	Inconstant
	Dose	Yes
	Route of administration	Yes
	Duration	Yes
	Allergy	Yes
	Side effects	No
	Adaptation GFR	No
	Prescription printing	No
	Context and reminders	Yes
	Locally adapted	Yes
	Scientific sources cited	Yes
	References	No
	Description	N/A

**Table S11.** Characteristics of *Antibiothérapie Pédiatrique*.

Antibiothérapie Pédiatrique		
Administration		
Name		CHU Sainte-Justine
Funding	Nature	Unknown

Name(s)		Unknown
Scientific references		Local (mainly), national and international guidelines
Date of creation		2019
Updating	Last	August 2021
	Frequency	Monthly
Contact		ME@messil.com
Access		
Cost		19,99 € per year
Smartphone app	Yes	
	iOS	Yes
	Downloads (n)	N/A
	Reviews (n)	N/A
	Rating (/5)	N/A
	Android	Yes
	Downloads (n)	N/A
	Reviews (n)	N/A
	Rating (/5)	N/A
	No	
Website		
Users/day (n)		N/A
Requests/day (n)		N/A
Offline mode		Yes
Software		No
Local parameterization possible		No
Developer		No
User		No
Users		
Primary care		Yes
Dental medicine		Yes
Hospital medicine		Yes
Surgical prophylaxis		No
Patients		
Children		Yes (exclusively)
Pregnant women		No
Breastfeeding		No
Chronic kidney disease		No
Informations		
Type of infection	Extensive list of pediatric infections caused by bacteria, viruses, parasites and fungi including:	
	Neonatal infections	
	Urinary tract infections	
	Upper respiratory tract infections	
	Lower respiratory tract infections	
	Skin and soft tissues infections	
	Digestive tract infections	
	Prophylaxis	
	Central nervous system infections	
	Cardiovascular infections	
	Bone and joint infections	
	Febrile neutropenia	
	Eye infections	
	Central venous catheter-related infections	
	Dental infections	
Systematic criteria		Nature of infection
Optional criteria		N/A

Type of information provided	
Antibiotic selection	Yes
Priority	Yes
Dose	Yes
Route of administration	Yes
Duration	Yes
Allergy	Yes
Side effects	Yes
Adaptation GFR	No
Prescription printing	No
Context and reminders	Yes
Locally adapted	Yes
Scientific sources cited	No
References	No
Description	N/A

**Table S12.** Characteristics of *AntibioHelp*®.

AntibioHelp®		
Administration		
Name		RaMiPA project (Raisonner pour Mieux Prescrire les Antibiotiques)
Funding	Nature	French National Agency for the Safety of Medicines (ANSM)
Name(s)		Public
French and International Clinical Practice Guidelines		
Scientific references		Clinical expertise (Dr Frederic Mechaï infectious disease consultant at Avicenne, and Dr Mounira Lafarge microbiologist consultant)
Date of creation		2020
Updating	Last	2020
	Frequency	N/A
Contact		rosy.tsopra@nhs.net
Access		
Cost		Free
Smartphone app		N/A
iOS		N/A
Downloads (n)		N/A
Reviews (n)		N/A
Rating (/5)		N/A
Android		N/A
Downloads (n)		N/A
Reviews (n)		N/A
Rating (/5)		N/A
Website		Yes
Website URL		https://antibiohelp.doctoproject.fr/login
Users/day (n)		N/A
Requests/day (n)		N/A
Offline mode		No
Software		No
Local parameterization possible		No
Developer		Yes



	User	No
	Users	
	Primary care	Yes
	Dental medicine	No
	Hospital medicine	No
	Surgical prophylaxis	No
	Patients	
	Children	Yes
	Pregnant women	Yes
	Breastfeeding	No
	Chronic kidney disease	No
	Informations	
	11 infectious diseases among :	
	Urinary tract infections	
	Upper respiratory tract infections	
	Lower respiratory tract infections	
	Genital infections	
	Site of infection	
	Nature of infection	
	Patient profile (Age, gender, pregnancy)	
	Antibiotic properties	
	Antibiotic allergy	
	Additional information about infection	
	Type of information provided	
	Antibiotic selection	Yes
	Priority	Yes
	Dose	No (Soon)
	Route of administration	Yes
	Duration	No (Soon)
	Allergy	Yes
	Side effects	Yes
	Adaptation GFR	No (Soon)
	Prescription printing	No
	Context and reminders	Yes
	Locally adapted	No
	Scientific sources cited	Yes
	Tsopra, R. et al. Helping GPs to extrapolate guideline recommendations to patients for whom there are no explicit recommendations, through the visualization of drug properties. The example of Anti-oHelp® in bacterial diseases. Journal of the American Medical Informatics Association 26, 1010–1019 (2019).	
References	Tsopra, R., Lamy, J.-B. & Sedki, K. Using preference learning for detecting inconsistencies in clinical practice guidelines: Methods and application to antibiotherapy. Artif Intell Med 89, 24–33 (2018).	
	Tsopra, R., Jais, J.-P., Venot, A. & Duclos, C. Comparison of two kinds of interface, based on guided navigation or usability principles, for improving the adoption of computerized decision support systems: application to the prescription of antibiotics. J Am Med Inform Assoc 21, e107-116 (2014).	

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Tsopra R, Mechaï F, Sedki K, Lamy JB. Antibio-Help®, an innovative clinical decision support system for improving antibiotic prescriptions in primary care – Newsletter APUA (Alliance for the Prudent Use of Antibiotics) – Summer 2019, Vol 37, No 2.

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Description	CDSS description Design process
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