



ROLE OF DRUG SPECIALIST DURING COVID – 19 PANDEMIC: A PARADIGM LEGAL SHIFT

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Background

The COVID-19 pandemic has tremendously influenced everyone in day today life issues. The best test is propelled to adjust the working of the well-being administration and to forestall the spread of the virus and to help tainted patients. This has required the inclusion of doctors, nurses and medical assistant attendants & yet in addition drug specialists (Pharmacist). Even in this pandemic, governments in numerous nations have conceded drug specialists more prominent power.

Objectives

The reason for this paper is to survey the lawful augmentation of the part of drug specialists considering the COVID-19 pandemic. The proposal brings about ongoing changes particularly in India and rest of the nations.

Methods

A writing survey was performed to sum up information about the expansion of the job of drug specialists during this pandemic time frame. An online survey was developed, and comparative analysis was performed. But to our dismay and interpretation, the priority preference was not given much to the pharmacist. A writing audit was performed to sum up information about the expansion of the job of drug specialists during the pandemic time frame. Key articles were recovered essentially from PubMed and Google Scholar, utilizing the expressions "COVID-19", "2019-nCoV", "COVID", and "Pandemic" in blend with "Drug specialist" as a watchwords for our pursuit.

Results

Drug specialists have been given various freedoms with the goal that they can effectively participate in the battle against the infection. A portion of the original legitimate expansions pointed toward helping over-burden medical services frameworks are as per the following: authorisation to get ready hand and surface sanitizers, qualification to recharge persistent therapy solutions, just as filling *ace auctore* and *ace familia* remedies by drug specialists, performing COVID-19, flu, and Group A *Streptococcus* screening tests, and antibody organization. Besides, numerous nations have worked with Internet administrations, like virtual clinical interviews, e-remedies, and home medication conveyance – to advance social separating among patients. To moderate medication deficiencies, the accompanying techniques have been carried out: elective obtaining, strength, non exclusive or restorative replacement, and getting ready intensified definitions at the drug store.

Conclusions

Novel lawful expansions have permitted abuse of the maximum capacity of drug specialists around the world, supporting the restricted assets of over-burden medical services frameworks.

Keywords: COVID-19, Drug specialists, medical services frameworks, lawful augmentation, restorative replacement

Introduction

Drug care is centered around the patient drug store practice, with the accompanying points: to secure general wellbeing through sound way of life advancement, avoidance of infections, just as appraisal, inception, also, oversight of the appropriate course of pharmacotherapy right up front collaboration with the patient and, if vital, with other medical services experts. Also, drug care intends to guarantee the safe also, normal utilization of medications to advance the patient's wellbeing related quality of life, accomplish positive clinical results, and decrease treatment costs.¹ In the course of recent many years, the job of the drug specialist has advanced from that of medication provider towards that of a supplier of administrations and data, lastly - to supplier of patient consideration by effectively taking an interest in the treatment cycle. By assuming direct liability for a singular patient's Medication related requirements; drug specialists can make a one of a kind commitment to the result of medication treatment.

The significant job of drug stores, which structure an essential piece of the medical services framework, ought to be underlined in the everyday conveyance of medications, therapeutics, immunizations, and key wellbeing administrations to people in general. It is notable that drug specialists are among the most open medical care experts; much of the time drug store staff are accessible 24 hours every day. The job of drug stores in an emergency, for example, the current pandemic, is vital on the grounds that they are regularly the first and the last resource with the medical care framework for patients who need solid data and guidance. Drug specialists have currently affirmed their significant job in crises, including during the past pandemics of H1N1 flu and SARS.²⁻⁴ Pharmacists assume a significant part in quiet consideration during a pandemic both in local area pharmacies and in the clinic settings.⁵⁻⁷ Although the principle focal point of medical care administrations is to react to COVID-19, individuals still have other non-COVID-19-related side effects and conditions that require proficient attention.

During a period of pandemic drug specialists should focus not just on diminishing the chance of infection spread yet in addition on patients' every day needs identified with taking medications. Likewise, patients requiring uncommon consideration, for example, after haematopoietic cell transplantation or during cell treatment, can profit from the association of drug specialists in their remedial cycle during the COVID-19 pandemic.⁸

The exceptional requirements of local area drug store administrations during the Corona virus pandemic ought to incorporate the accompanying:

- Advancing pandemic control;
- Effectively giving direction to the local area patient populace concerning sickness the executives, to work on patients' prescription adherence and backing their self-checking of the adequacy also, wellbeing of current treatment;
- Teaching patients to bring home medication on schedule and in the right measurement, stressing the significance of adherence in constant infectious prevention and in staying away from pointless clinic visits during the pandemic;
- Ensuring the drug is inside the time of legitimacy previously taking;
- Advising patients on the accessibility regarding drug conveyance or mail request administrations gave in the drug store and empowering patients to utilize such administrations during the pandemic if necessary;
- Instructing ongoing illness patients to perform self-observing on infection manifestations and unfriendly medication responses at home;
- Giving extra direction to patients with disease, fiery inside illness, or other extraordinary ongoing infections or patients facing high challenge prescriptions persistently, in view of the qualities of the sicknesses or prescriptions;
- Help in offering mental help. Drug specialists should focus to patients' enthusiastic and mental conditions and distinguish patients with inordinate tension, concern, or dread;
- Giving verifiable and dependable data on the illnesses and related indications, for example Corona virus.

The COVID-19 pandemic is an optimal chance to refresh the guidelines to broaden the job of drug specialists in drug care. The objective of this paper is to play out an outline of the legitimate conceivable outcomes of drug specialists during the pandemic time frame.

Methods

Utilizing on the web information bases, a methodical writing survey of the legitimate guidelines identified with drug store for COVID-19 was done. Key articles were recovered basically from PubMed and Google Scholar utilizing the terms 'COVID-19', '2019-nCoV', 'COVID-19', and 'SARS-CoV-2' as watchwords for our pursuit. Most of the nations have zeroed in on correspondences to drug specialists concerning how to shield drug store staff and patients from the spread of COVID. Local area drug stores have extended their job in giving patients with most ideal consideration during the COVID-19 pandemic. Instances of a portion of the continuous and arranged administrations and exercises in various nations all through the world are projected in Table 1.

Most of them required some enactment backing to be legitimately allowed. The rest show how drug specialists have expanded their activities to utilize accessible assets and their insight to the greatest degree in the current laborious conditions. Activities embraced by drug specialists may assume an imperative part in upgrading the productivity of exhausted wellbeing frameworks. One of the difficult issues emerging during pandemics like the current COVID-19 pandemic is a deficiency of medications. Instances of the lawful answers for alleviating them in few nations are recorded in Table 2. Essential information on COVID-19, especially the beginning side effects and transmission courses, might be given by drug specialists to help the local area populace comprehend the pandemic circumstance appropriately and to advance early identification of suspected individuals⁹.

Discussion

As expressed in this article, broad scopes of new obligations have been brought into the local area drug store setting to grow the job of the drug specialist even with the pandemic. As a matter of first importance, drug specialists are liable for executing rules focused on guaranteeing patient and staff wellbeing. One of the most troublesome aspects of this task is to advance social separating. Drug specialists ought to coordinate drug stores so as to make it hard for the infection to spread. These activities are especially significant because of an expanded number of patients, particularly toward the start of the pandemic and soon after the first news on this issue had been distributed by the media. Impermanent obstructions are intended to restrict the quantity of patients in the drug store at some random time and to expand the distance between patients. Nonetheless, the presentation of protections and methodology has prompted a critical monetary weight. One more danger to the monetary dependability of a drug store might be its impermanent conclusion because of absence of staff – for instance, in light of the fact that of startling quarantine.¹⁰

The significance of the job of the local area drug store in the security of general wellbeing can be found in the case of the COVID-19 pandemic. More coordinated fuse of local area drug stores in the pandemic administration ought to likewise be a basic piece of public strategy. Indeed, even in nations where drug care isn't essentially created, past experience has shown that a local area drug store is an incredible spot for advancing general wellbeing, especially due to expanded instruction initiatives.¹¹

In any case, the principal job of the drug specialist is still to administer prescriptions. This essential help is unavoidably identified with the calling what's more, the spot of the local area drug store in the medical services framework. Consequently, the drug specialist should guarantee that patients have continuous admittance to prescriptions. The COVID SARS-CoV-2 pandemic, on the one hand, prompted a decay of the international circumstance, influencing the accessibility of drugs. It is worth focusing on here the significance of the job of China, the principal nation to be hit by the COVID, which, as a significant maker of dynamic

drug fixings (APIs), stays a significant player in drug distribution.¹² Furthermore, the stock of prescriptions is hampered by the essentially expanded rest for drugs and food supplements toward the start of the pandemic.

Another region worth summing up is adjusted scope of drug administrations. Even with the pandemic, state government administrations have presented new drug benefits and have extended those current in overall sets of laws up until now, especially in the space of recommending. This process is upheld by e-wellbeing. In this specific circumstance, it merits reviewing the illustration of India, in which drug specialists' prescriptive authority has been extended as of late. Drug specialists were allowed the option to recommend drugs for them as well as their nearest family members, and those solutions are repaid from public sources, similarly as when a comparative medicine would be given by a doctor.

In various cases, drug specialists can give an identified solution for patients in the occasion of a wellbeing crisis, not simply in hazardous cases, as it was previously, however without repayment. Additionally, in terms of prescriptive power, drug specialists are permitted to recommend some controlled drugs under unique conditions, recommended by Ministry of Health Family Welfare, Government of India. The diverse arrangement of new obligations is related with compounding cleaning agents. Because of the fleeting deficiency of germ-killers, this job is a significant stage to limit the pandemic. This help, as summed up in this paper, has been presented in generally Asian nations. Locally situated administrations are additionally executed provided that social removing can be kept up with to shield patients and drug specialists from undesirable tainting.

CONCLUSION

In outline, this multitude of activities is pointed toward limiting the number of clinical counsels, therefore prompting legitimizing of restricted sources. The further extension of administrations relies upon the seriousness also, the term of the pandemic.

Table 1: Drug store local area exercises identified with COVID-19 in various nations

Sr.No	Country	Action Pertained
1.	India	<p>Authorisations of drug specialists to recommend, sells, or give controlled substances in restricted conditions, or move remedies for controlled substances.</p> <p>The recommending framework might utilize messages to impart endorsing headings to keep giving patient consideration¹³⁻¹⁵</p> <p>Conceding select authorisation for drug stores to sell specific clinical gadgets, individual defensive hardware, and biocides, including hydro alcoholic gels furthermore, mask covers, with the accompanying limitations:</p> <p>The public authority claims all authority to demand the loads of all the previously mentioned items whenever to coordinate conceivable better appropriation between drug stores.</p> <p>The conveyance of those items to private people in the retail exchange is exposed to the solution of an expert consideration supplier, which incorporates drug specialists.</p> <p>When treatment is suggested; patients can either get it from the drug store or choose to have it presented on their home through WhatsApp, Zoom, Telegram¹⁶, Microsoft Teams, Google meet, SMS & Phone calls.</p>

		Drug specialists can choose in great still, small voice who is the need target bunch for the dissemination of these gadgets (for example relatives of a tainted individual, a patient with immunosuppressant or under immunosuppressive treatment, etc.).
2.	Sri Lanka	Exemption methodology for apportioning medications hard to find alternative substitution. ^{17,18} Authorisation for drug stores to plan hydro alcoholic gels, following World Health Organization (WHO) proposals, assuming that they are out of stock
3.	Afghanistan	Major help concerning the recommending of opiates and replacement patients. In March, WHO made some help around here for the span of the COVID emergency. For instance, in regards to apportioning rules for narcotic replacement treatment - drug specialists can administer bigger amounts so the patient doesn't need to go to the drug store each day. ¹⁸
4.	Pakistan	Partaking in an abusive behaviour at home mission dispatched explicitly during the COVID time frame. Utilizing code word 'veil 19', patients at the drug store can say that they are survivors of home grown violence. ¹⁹ Developing four planning guidelines for a fluid hand sanitizer and a thick gel: two dependent on Ketone solution and two dependent on isopropyl solution, all expected for proficient use. ²⁰
5.	United states of America	The chance of home conveyance of medication by holding up patients during the COVID-19 outbreak. ²¹ Summon of crisis of drug specialist to take into consideration for drug refilling. ²² Creation by local area drug stores of COVID-19 testing destinations.
6.	Poland	More limited period for moving assets to drug stores from the National Health Fund (at the most recent the day after sure check of the archives sent by the pharmacy) ²³⁻²⁷ · Permission for drug specialists to get ready ethanol germ-free answers for the skin. · Patients can get reimbursable clinical gadgets through dispatch. It is satisfactory to get it without marking suitable structures by the patient (as is required when getting reimbursable clinical gadgets straightforwardly from the pharmacy)
7.	United Kingdom	The expansion of the Minor Ailment Service and expanded admittance to Emergency Care Summary Data. · The option to supply specific controlled medications to patients without a prescription ²⁸⁻³¹ . · Pharmadoctor eTool (a web-based meeting direction and record-keeping stage) to do virtual conferences with patients remotely utilizing

8.	Russia	<p>Making of an understudy drug store association entrance to guarantee that forefront drug store experts can contact understudies ready to chip in under their oversight, subsequently expanding backing of drug specialists on the forefronts of care.</p> <ul style="list-style-type: none"> · Permission for drug specialists to test and start treatment for flu and Group A Streptococcus. · Introduction of consent for immunization organization by a drug specialist subsequent to finishing training. · Extension of the privileges of drug store experts for authorization to oversee antibodies, perform far off information passage, and take new orders.
9.	Italy	<p>Announcement for drug specialists to give oxygen to patients, likewise at home</p> <ul style="list-style-type: none"> · Introduction of e-prescriptions. · Medicine home conveyance administration to weak individuals by Red Cross and Federfarma. · Promoting the arrangement of sanitizer items by drug stores, likewise to counter theoretical prices.³²⁻³⁵

Table 2: Legitimate answers for medication deficiencies in various nations during the COVID-19 pandemic period.³⁶⁻³⁷

Country	Obtaining a similar medication from elective approved sources (broadly)	Changing to something very similar medication with an alternate strength	Conventional replacement	Therapeutic substitution	Setting up a compounded detailing	Bringing in the medication from another country
India	Yes	No	Yes	Yes	Yes	Yes
Sri Lanka	No	No	No	No	No	Yes
Afghanistan	No	Yes	No	Yes	No	Yes
Pakistan	Yes	Yes	No	No	No	Yes
United states of America	Yes	Yes	Yes	Yes	No	No
Poland	Yes	Yes	Yes	Yes	No	Yes
United Kingdom	Yes	Yes	Yes	Yes	No	Yes
Russia	Yes	Yes	Yes	Yes	Yes	Yes
Italy	Yes	No	Yes	No	Yes	Yes

BIBLIOGRAPHY

1. Helper DD, Strand LM. Opportunities and responsibilities in pharmaceutical care. *Am J Hosp Pharm.* 1990; 47:533–543.
2. Austin Z, Martin JC, Gregory PA. Pharmacy practice in times of civil crisis: the experience of ARS and the blackout in ontario, Canada. *Res Soc Adm Pharm.* 2007; 3:320–335.
3. Chin TW, Chant C, Tanzini R, Wells J. Severe acute respiratory syndrome (SARS): the pharmacist role. *Pharmacotherapy.* 2004; 24:705–712.
4. Mullen E, Smith GH, Irwin AG, Angeles M. Pandemic H1N1 influenza virus: academy perspectives on pharmacy's critical role in treatment, prevention. *J Am Pharmaceut Assoc.* 2009;49:722–728. <https://doi.org/10.1331/JAPhA.2009.09539>.
5. Al-Quteimat OM, Amer AM. SARS-CoV-2 outbreak: how can pharmacists help? *Res Soc Adm Pharm.* 2020;26. <https://doi.org/10.1016/j.sapharm.2020.03.018> S1551- 7411(20)30238-2.
6. Hedima EW, Adeyemi MS, Ikunaiye NY. Community pharmacists: on the frontline of health service against COVID-19 in LMICs. *Res Soc Adm Pharm.* 2020. <https://doi.org/10.1016/j.sapharm.2020.04.013> S1551-7411(20)30385-5.
7. Song Z, Hu Y, Zheng S, Yang L, Zhao R. Hospital pharmacists' pharmaceutical care for hospitalized patients with COVID-19: recommendations and guidance from clinical experience. *Res Soc Adm Pharm.* 2020. <https://doi.org/10.1016/j.sapharm.2020.03.027> S1551-7411(20)30314-4.
8. Cadogan CA, Hughes CM. On the frontline against COVID-19: community pharmacists' contribution during a public health crisis. *Res Soc Adm Pharm.* 2020. <https://doi.org/10.1016/j.sapharm.2020.03.015> S1551-7411(20)30292-30298.
9. Mahmoudjafari Z, Alexander M, Roddy J, et al. American society for transplantation and cellular therapy pharmacy special interest Group position statement on pharmacy practice management and clinical management for COVID-19 in hematopoietic cell transplantation and cellular therapy patients in the United States. *Biol Blood Marrow Transplant.* 2020. <https://doi.org/10.1016/j.bbmt.2020.04.005> S1083- 8791(20)30214-30217.
10. Alan E, Conan M. Roles of the clinical pharmacist during the COVID-19 pandemic. *J Am Coll Clin Pharm.* 2020;3:564–566.
11. COVID-19: times of crisis can bring out the best in pharmacy. Published 19.03.20. Accessed 19.05.20 <https://www.pharmacytimes.com/news/covid-19-times-of-crisiscan-bring-out-the-best-in-pharmacy>; 2020.
12. Idaho's broad practice laws allow pharmacists, techs to more quickly respond to COVID-19. Published 07.04.20. Accessed 19.05.20 www.pharmacytimes.com/news/idahos-broad-practice-laws-allow-pharmacists-techs-to-more-quickly-respondto-covid-19; 2020.
13. Other persons who may be access authorization managers. Published 01.02.20. Accessed 19.05.20. <http://legisquebec.gouv.qc.ca/en/ShowDoc/cr/P-9.0001,%20r.%201;2020>.
14. Regulation and standards COVID-19: information for pharmacy professionals. Published 17.03.20. Accessed 19.05.20 www.ocpinfo.com/regulations-standards/novel-coronavirus-covid-19-professionals; 2020.
15. Ontario Pharmacists Association. Pandemic A Pharmacist Guide to Pandemic Preparedness Ontario Pharmacist Association. Version 2. 2020; 2020 Accessed 19.05.20.
16. PGD provider launches video consultations to support social distancing. Published 01.04.20. Accessed 19.05.20 <https://www.chemistanddruggist.co.uk/news/pgdprovider-launches-video-consultations-support-social-distancing>; 2020.

17. Arrêté ministériel portant des mesures particulières dans le cadre la pandémie de SRAS-CoV-2 basées sur le livre XVIII du Code de droit économique [Ministerial decree of specific measures under the SARS pandemic-CoV-2 based on the book XVIII of the Code of Economic Law]. Published 23.03.20. Accessed 19.05.20 [http://www.ejustice.just.fgov.be/cgi_loi/change_lg.pl?language=fr&la=F&cn=2020032302&table_name=loi](http://www.ejustice.just.fgov.be/cgi_loi/change_lg.pl?language=fr&la=F&cn=2020032302&table_name=loi;); 2020.
18. Expansion of community pharmacy activities in relation to COVID-19 27 March 2020, [Information from the social security institutions on the corona virus]. Published 30.03.20. Accessed 19.05.20. <https://www.sozialversicherung.at/cdscontent/?contentid=10007.857320&portal=svportal>; 2020.
19. Minister De Jonge geeft bekendheid aan 'Masker 19' in apotheek Pillen en Praten [Minister De Jonge announces "Mask 19" in the pharmacy Pillen en Taten]. Accessed 15.05.2020 <https://www.knmp.nl/actueel/nieuws/nieuws-2020/minister-de-jongegeeft-bekendheid-aan-2018masker-192019-in-apotheek-pillen-en-praten>.
20. Dossier. Coronavirus. Accessed 15.05.20 <https://www.knmp.nl/actueel/dossiers/dossier-coronavirus>; 2020.
21. Arrêté du 6 mars 2020 portant diverses mesures relatives à la lutte contre la propagation du virus covid-19 [Decree of 6 March 2020 adopting various measures relating to the fight against the spread of the virus Covid-19]. Published 06.03.20. Accessed 19.05.20 <https://www.legifrance.gouv.fr/affichTexte.do?cidTexte=JORFTEXT000041697131&dateTexte=&categorieLien=id>; 2020.
22. Alan E, Conan M. Roles of the clinical pharmacist during the COVID-19 pandemic. *J Am Coll Clin Pharm.* 2020;3:564–566.
23. Minister De Jonge geeft bekendheid aan 'Masker 19' in apotheek Pillen en Praten [Minister De Jonge announces "Mask 19" in the pharmacy Pillen en Taten]. Accessed 15.05.2020 <https://www.knmp.nl/actueel/nieuws/nieuws-2020/minister-de-jongegeeft-bekendheid-aan-2018masker-192019-in-apotheek-pillen-en-praten>.
24. Dossier. Coronavirus. Accessed 15.05.20 <https://www.knmp.nl/actueel/dossiers/dossier-coronavirus>; 2020.
25. Published 14.03.20. Accessed 15.05.2020 <https://oia.waw.pl/szybsza-wyplatarefundacji-z-nfz/>; 2020.
26. Komunikat prezesa URPL w sprawie wprowadzenia do farmakopei polskiej narodowej monografii solutio antiseptica spirituosa ad usum dermicum [Press URPL president on the implementation of the polish national monograph Pharmacopoeia solutio antiseptic spirituosa ad usum dermicum]. Published 11.03.20. Accessed 19.05.20 <https://www.nia.org.pl/2020/03/11/komunikat-prezesa-urpl-w-sprawiewprowadzenia-do-farmakopei-polskiej-narodowej-monografii-solutio-antisepticaspirtuosa-ad-usum-dermicum/>; 2020.
27. Ustawa z dnia 31 marca 2020 r. o zmianie ustawy o szczególnych rozwiązaniach związanych z zapobieganiem, przeciwdziałaniem i zwalczaniem COVID-19, innych chorób zakaźnych oraz wywołanych nimi sytuacji kryzysowych oraz niektórych innych ustaw [The Act of March 31, 2020 amending the Act on special solutions related to the prevention, prevention and eradication of COVID-19, other infectious diseases and crisis situations caused by them, as well as some other acts]. Published 31.03.20. Accessed 19.05.20 <http://prawo.sejm.gov.pl/isap.nsf/DocDetails.xsp?id=WDU20200000568>; 2020.
28. Covid-19. Pharmacists could supply controlled drugs without script. Published 03.04.20. Accessed 19.05.20 <https://www.chemistanddruggist.co.uk/news/covid-19-pharmacists-could-supply-controlled-drugs-without-script>; 2020.

29. COVID-19: times of crisis can bring out the best in pharmacy. Published 19.03.20. Accessed 19.05.20 <https://www.pharmacytimes.com/news/covid-19-times-of-crisiscan- bring-out-the-best-in-pharmacy>; 2020.
30. COVID-19 update: pharmacy meetings cancelled, new law expands Florida pharmacists' roles. Published 13.03.20. Accessed 19.05.20 www.drugtopics.com/latest/ covid-19-update-pharmacy-meetings-cancelled-new-law-expands-floridapharmacists- roles; 2020.
31. Minister De Jonge geeft bekendheid aan 'Masker 19' in apotheek Pillen en Praten [Minister De Jonge announces "Mask 19" in the pharmacy Pillen en Taten]. Accessed 15.05.2020 <https://www.knmp.nl/actueel/nieuws/nieuws-2020/minister-de-jongegeeft- bekendheid-aan-2018masker-192019-in-apotheek-pillen-en-praten>.
32. Covid-19. Ossigeno terapeutico: indicazioni per le farmacie [COVID-19, Therapeutic oxygen: indications for pharmacies]. Published 01.04.20. Accessed 19.05.20 <https://www.federfarma.it/Edicola/Filodiretto/VediNotizia.aspx?id=21097>; 2020.
33. Covid-19. Ricetta medica via email o con messaggio sul telefono [Covid-19, medical prescription by email or by message on the phone]. Published 20.03.20. Accessed 19.05.20 <http://www.salute.gov.it/portale/nuovocoronavirus/dettaglioNotizieNuovoCoronavirus.jsp?lingua=italiano&menu=notizie&p= dalministero&id=4278>; 2020.
34. Covid-19. Croce Rossa e Federfarma insieme per intensificare consegna farmaci a domicilio a favore delle persone vulnerabili [COVID-19, Red Cross and Federfarma together to intensify home delivery of drugs to vulnerable people]. Published 11.03.20. Accessed 19.05.20 <https://www.federfarma.it/Edicola/Comunicatistampa/ 11-03-2020-18-30-52.aspx>; 2020.
35. Coronavirus. Farmacisti in prima linea sempre a fianco dei cittadini [Coronavirus: farmacisti in prima linea sempre a fianco dei cittadini]. Accessed 15.05.20 www.fofi.it/inside.php?notizie_id=8474.
36. Idaho's broad practice laws allow pharmacists, techs to more quickly respond to COVID-19. Published 07.04.20. Accessed 19.05.20 www.pharmacytimes.com/news/idahos-broad-practice-laws-allow-pharmacists-techs-to-more-quickly-respondto-covid-19; 2020.
37. Pgeu Gpue. Pharmaceutical Group of European Union - groupement Pharmaceutique de l'Union Europeenne (PGEU GPUE). Position Paper on Medicine Shortages. Accessed 29.05.2020 <https://www.pgeu.eu/wp-content/uploads/2019/05/ 190514E-PGEU-Position-Paper-on-Medicine-Shortages.pdf>.