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Strengthening BCP for the Prevention of Infectious Diseases in Companies

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Abstract

As the number of confirmed cases of Covid - 19 is not decreasing, it is time for domestic companies to respond preemptively and in terms of business continuity. The purpose of this study is to present measures to strengthen BCP to prevent infectious diseases in the enterprise. In this work, three methods of data investigation are used. The first was to search for keywords in academic databases such as the National Assembly Library and the Korea Research and Information Service to investigate degree papers and academic papers. Second, we investigated literature such as research reports, manuals, and guidelines on infectious diseases. Finally, the researchers visited official websites such as KDCA, MOHW, and MOIS to collect and analyze recent data. BCP In view of the Board, a new risk analysis should be made and a disaster preparedness system tailored to the characteristics of the entity should be established. We need to analyze corporate weaknesses and focus on safety culture. It is also important to look at how customers choose their services and products. Based on this, differentiated service strategies should be presented. It is hoped that the results of this study can be used as basic data for companies that want to systematically manage and operate BCP to prevent infectious diseases.

Keywords : Business Continuity Plan, BCP, COOP, Infectious disease, COVID - 19

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<Table 1> Comparison of definitions between BCP and BCM

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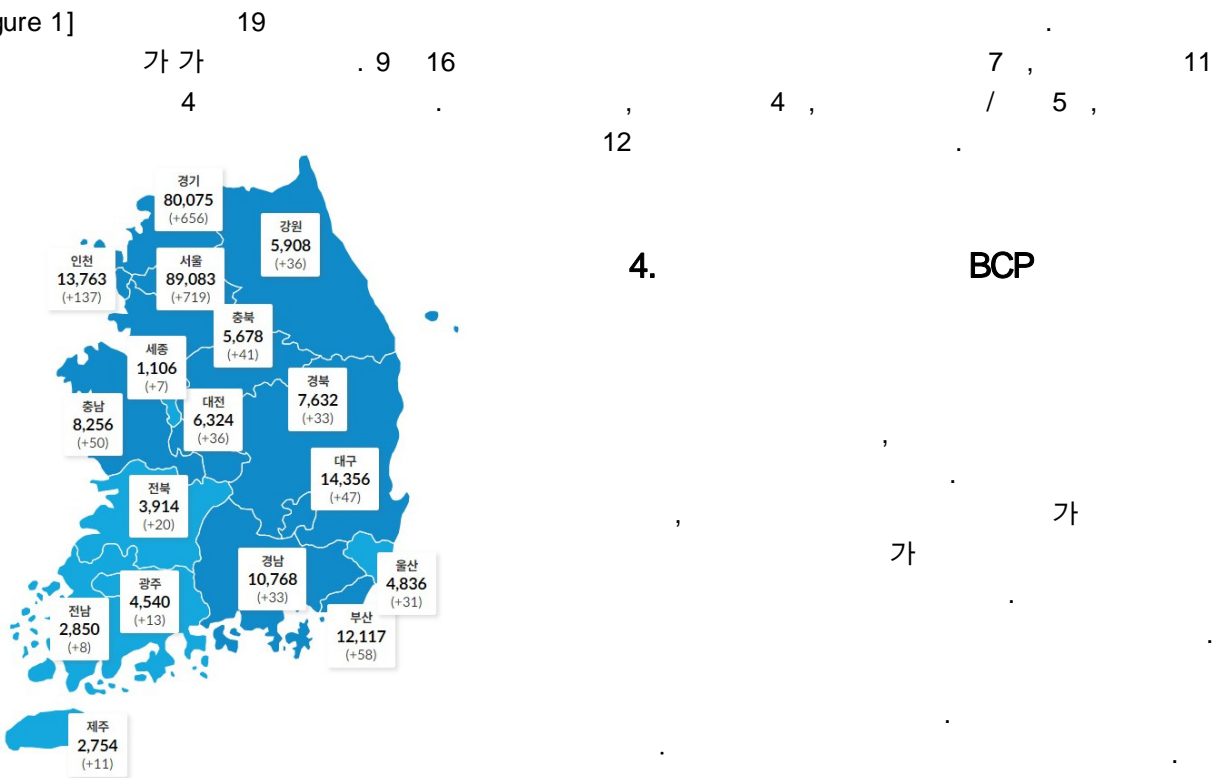
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<Table 2> Current status of confirmed cases in Korea (as of 0:00 on 21.09.16, cumulative after 20.01.03)

Division	Total	Seoul	Busan	Daegu	Incheon	Gwangju	Daejeon	Ulsan	Saejong
Total	279,930	89,083	12,117	14,356	13,763	4,540	6,324	4,836	1,106
Division	Gyeonggi	Gangwon	Chungbuk	Chungnam	Gyeongbuk	Gyeongnam	Jeonbuk	Jeonnam	Jeju
Total	80,075	5,908	5,678	8,256	7,632	10,768	3,914	2,850	2,754

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[Figure 1]



[Figure 1] Current status of confirmed cases in Korea (as of 0:00 on 21.09.16, cumulative after 20.01.03)

Source: COVID - 19 official site

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<Table 3> COVID - 19 Damage Cases as of 2020~2021 (excerpts from a news articles)

Division	Name of institution	Damage status
Public institutions	Sejong Government Complex	Partially closed due to confirmed cases
	Seoul City Hall	Three closures in the office closures
	SH	Eight employees are closing the office due to corona confirmation. Everyone goes to work from home
	Chungbuk Forest Environment Research Institute	Closing of the Midong Arboretum in Cheongju
	Daegu Waterworks Headquarters	The closure of the Dalseo office Self -isolation measures for 51 employees in the business establishment
	Samsung, Seocho and Yeoksam tax offices	Building closures. The National Tax Service decides to stop working
Private enterprises	Kia Motors Sohari Plant	Collective infection, temporary closure after funeral condolences of factory staff
	Samsung Gumi Plant	Smartphone factory workers are frequently closed due to six confirmed cases.
	LG Chem's Ochang Factory	Factory temporary closure
	Homeplus Headquarters	The closure of the headquarters building Telecommuting all employees except required personnel
	Seoul National University Bundang Hospital	Emergency room closed with confirmation of nurses
	Gunpo Namcheon Hospital	Suspension of hospital work due to 8 confirmed cases

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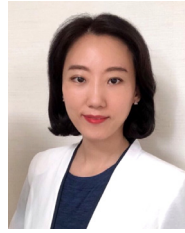
6. References

- [1] T. J. Chung(2020), "Contents and legislative tasks of the 「Infectious Case Control and Prevention Act」." Law Review, 20(3):289 - 316.
- [2] J. H. Choi, C. I. Choi(2018), "Marine accident management of Japan in terms of business continuity plan and its implications." Journal of the Korean Cadastre Information Association, 20(1):81 - 95.
- [3] D. J. Kim(2016), "A study on the introduction of business continuity management system for ensuring uninterrupted service of public institution based on a bottom - up method." Journal of Korean Society of Disaster & Security, 9(2):165 - 172.
- [4] I. H. Kim(2020), "A plan for the revitalization of public institution continuity of operations planning in the wake of COVID - 10." Korea Security Science Association, Pandemic Special:11 - 34.
- [5] J. S. Kim(2020), "Infectious disease: Past, present, and future." Vacuum Magazine, 7(2):13 - 17.
- [6] N. S. Kim(2018), Research on and(2018 - 2022) national plan for prevention and control of infectious disease. KDCA.
- [7] S. K. Kim(2015), A national roadmap for infectious diseases R&D. Science and Technology Policy Institute, 11 - 1352159 - 00376 - 01.
- [8] S. D. Kim(2018), "Research on the introduction of BCM for organizations with disabilities." Master's thesis, University of Soongsil.
- [9] Y. J. Kim(2016), "A study on the strengthening of BCP for domestic companies." Master's thesis, University of Dongguk.
- [10] Y. H. Kwak(2019), Preparedness and response system for infectious disease following natural disaster. KDCA.
- [11] G. B. Kwon(2020), "Preventive measures against infectious disease and information human rights." Public Law Journal, 21(3):3 - 32.
- [12] K. H. Baek, J. Y. Kim(2021), "A legal study on infectious disease crisis response and healthcare

- big data collection.” Chosun Law Journal, 28(1): 3 - 31.
- [13] M. H. Jang(2014), “A study on the development and evaluation of Business Continuity Management Index(BCMI).” Master’s thesis, University of Soongsil.
- [14] H. J. Joo, B. J. Jang(2020), “Research on the efficiency of infectious disease management system: Focused on regional infectious disease management system.” The Korea Association for Local Government & Administration Studies, 34(2):353 - 376.
- [15] J. C. Rho(2020), COVID - 19 pandemic disaster and irritations of social systems: From the perspective of an autopoietic systems theory. Society and Theory, pp. 127 - 181.
- [16] H. J. Shin(2015), “A basic study for securing the business continuity of local governments in the event of earthquake and tsunami.” Journal of the Korea Society of Disaster Information, 11(2): 227 - 234.
- [17] J. S. Son(2020), “A study on improvement of BCP activity for ISO 22301 certified organizations: Focusing on IT BCP cases.” Master’s thesis, University of Dongguk.
- [18] H. C. Song(2020), “New normal age, the need for untact solutions and business continuity plan.” The Magazine of the IEEE, 47(6):37 - 41.
- [19] C. W. Lee(2016), A study on establishment of mid, long - term implementation strategy for national infectious disease R&D. KDCA.
- [20] G. M. Lee(2018), “An analysis of factors influencing infectious disease response: Focusing on SARS (2003) and MERS(2015).” Doctoral dissertation, University of Sungkyunkwan.
- [21] J. H. Uoo(2008), “A study on the introduction of BCP for business preparing the natural disasters.” Master’s thesis, Seoul National University of Science and Technology.
- [22] Y. C. Heo(2016), “Applocation of business continuity management to thermal power plant.” Master's thesis, University of Incheon.
- [23] Disaster and Safety Management Basic Law.
- [24] The Act on the Prevention and Management of Infectious Diseases.
- [25] Central Disease Control Headquarters(2020), COVID - 19 response guidelines NO.9.
- [26] Financial Supervisory Service(2006), Business continuity planning model standard.
- [27] Infectious Disease Crisis Management Standard Manual.
- [28] <http://www.mohw.go.kr>
- [29] <https://www.mois.go.kr>
- [30] <http://www.kdca.go.kr/>
- [31] <http://ncov.mohw.go.kr/>
- [32] <https://news.kbs.co.kr/special/coronaSpecialMain.html>
- [33] <https://news.sbs.co.kr/news/newsHotIssueList.do?tagId=10000050973>
- [34] <https://d.kbs.co.kr/now/infection>
- [35] <https://www.seoul.go.kr/main/index.jsp>
- [36] <https://www.gg.go.kr/>
- [37] <https://gnews.gg.go.kr/>
- [38] <https://www.korea.kr/main.do>
- [39] <https://blog.naver.com/mohw2016>



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