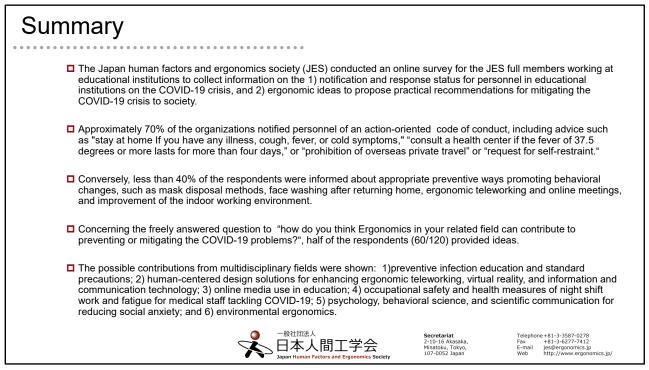


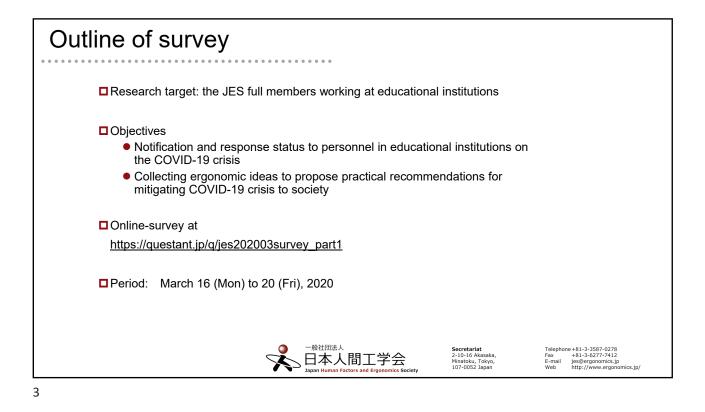
[First Survey 1 during March 16-20, 2020]

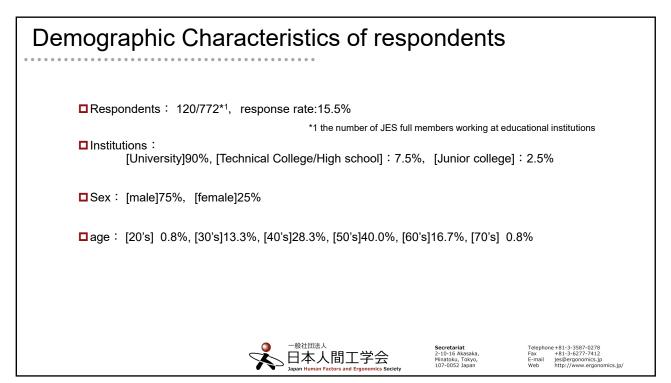
Preliminary Report of the Survey on Educational Institutions' Responses to the Novel Coronavirus (COVID-19)

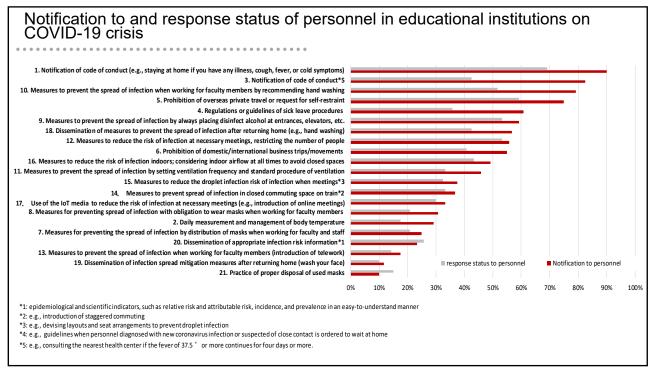
Japan Human Factors and Ergonomics Society 2020/3/25

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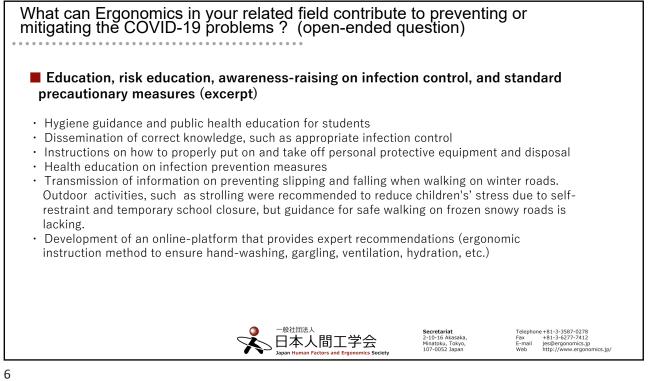












What can Ergonomics in yo mitigating the COVID-19 pro	ur related field contribute blems ?	e to preventi	ing or
Use of new VR technology and design technology, and ergonor		on technology,	human-centered
 Promote remote work/tele working u Application of Telerobotics and virtu droplet infection Modeling of human behavior charact technology and statistical processing Designing disinfectant containers, hy LED devices with ergonomic gripping Standard precautional explanations of manner 	al reality techniques to reduce face- teristics by information transmission g of human behavioral patterns giene management tools, and safe a g support that minimize the use of ha	to-face communic using information and easy-to-use de ands as much as p	n and communication esign of UV sterilization possible
 Occupational fatigue/occupati Measures for fatigue of workers (CO guidelines for telework, and provisio Ergonomic measures for mental stre Ergonomic measures for tele work co Proposal of stress reduction techniq Ergonomic health management measures 	VID19-compliant workers, such as h n of ergonomic guidelines for VDT w ss related to behavioral restriction ommunication methods using IoT ues	iealthcare workers vork as online lecti	ures increase
	一般社团法人 日本人間工学会 Japan Human Factors and Ergonomics Society	Secretariat 2-10-16 Akasaka, Minatoku, Tokyo, 107-0052 Japan	Telephone+81-3-3587-0278 Fax +81-3-6277-7412 E-mail jes@ergonomics.jp Web http://www.ergonomics.jp/



What can Ergonomics in your related field contribute to preventing or mitigating the COVID-19 problems ? Scientific Communication and Science Literacy Education through infographics Dissemination of appropriate information and response to social unrest (polite explanation of questions) Enhancing risk communication between the general public and experts

 Advising on the effectiveness of hospital management for preventing hospital-acquired infections, collaboration between boundaryless organizations, understanding the current situation, and conducting resource surveys

Environmental Ergonomics

- · Changes in ventilation efficiency due to opening windows and setting air conditioners in cars
- Importance of ventilation: Windows are closed and the space is always closed from the viewpoint of avoiding gaze in the neighborhood, and preventing students from falling down regularly. How to appropriately operate 24-hour ventilation systems
- · Measures against infectious diseases by ventilation (ventilation volume, ventilation method)

Big data analysis of biological information, physiological and psychological behavior data

- Mental and physical condition sensing
- Support for the elucidation of infection routes using ethnography
- Behavior control

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