

ICMJE DISCLOSURE FORM

Date: 9/24/2022

Your Name: Charles A. Czeisler

Manuscript Title: : Shifting Mortality Dynamics in the United States During the COVID-19 Pandemic as Measured by Years of Life Lost

Manuscript Number (if known): M22-2226

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The author's relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

In item #1 below, report all support for the work reported in this manuscript without time limit. For all other items, the time frame for disclosure is the past 36 months.

	Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)						
Time frame: Since the initial planning of the work								
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	<input type="checkbox"/> None <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 50%;">US Centers for Disease Control and Prevention</td> <td style="width: 50%;">Institutional support for this work was provided to the Mass General Brigham through a subcontract from NTouch-Bct Strategies, LLC</td> </tr> <tr> <td>Cephalon, Inc.</td> <td>Prof. Charles Czeisler serves as the incumbent of an endowed professorship provided to Harvard Medical School by Cephalon, Inc. in 2004, which provided institutional support for this work.</td> </tr> <tr> <td>National Institute of Occupational Safety and Health R01-OH-011773</td> <td>CInstitutional support for this work was provided to the Mass General Brigham through a government grant awarded to the Brigham and Women's Hospital that provides partial salary support to Prof. Charles Czeislerk the tab key to add additional rows.</td> </tr> </table>	US Centers for Disease Control and Prevention	Institutional support for this work was provided to the Mass General Brigham through a subcontract from NTouch-Bct Strategies, LLC	Cephalon, Inc.	Prof. Charles Czeisler serves as the incumbent of an endowed professorship provided to Harvard Medical School by Cephalon, Inc. in 2004, which provided institutional support for this work.	National Institute of Occupational Safety and Health R01-OH-011773	C Institutional support for this work was provided to the Mass General Brigham through a government grant awarded to the Brigham and Women's Hospital that provides partial salary support to Prof. Charles Czeisler k the tab key to add additional rows.
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2	Grants or contracts from any entity (if not indicated in item #1 above).	<input type="checkbox"/> None <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 50%;">Delta Airlines</td> <td style="width: 50%;">Institutional support for Quality Improvement Initiative</td> </tr> <tr> <td>Jazz Pharmaceuticals PLC Inc</td> <td>Institutional education support to Harvard Medical School Division of Sleep Medicine; institutional support to Brigham and Women's Hospital for clinical research trials on which Dr. Czeisler is the Principal Investigator</td> </tr> </table>	Delta Airlines	Institutional support for Quality Improvement Initiative	Jazz Pharmaceuticals PLC Inc	Institutional education support to Harvard Medical School Division of Sleep Medicine; institutional support to Brigham and Women's Hospital for clinical research trials on which Dr. Czeisler is the Principal Investigator		
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		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
		Axome Therapeutics, Inc.	Institutional support to Brigham and Women's Hospital for clinical research trial on which Dr. Czeisler is the Principal Investigator
		Philips Respironics Inc	Institutional education/research support to Harvard Medical School and Brigham and Women's Hospital that supported in part the contract with Qualtrics LLC to administer earlier waves of The COPE Initiative survey
		Puget Sound Pilots	Institutional support for Quality Improvement Initiative
		Regeneron Pharmaceuticals and Sanofi SA	Institutional research support provided to Brigham and Women's Hospital for research projects on which Dr. Czeisler is a Co-Investigator
		ResMed	Institutional educational Grant funding to the Sleep and Health Education Program of the Harvard Medical School Division of Sleep Medicine (which Dr. Czeisler directs)
		Teva Pharmaceuticals Industries Ltd	Institutional educational Grant funding to the Sleep and Health Education Program of the Harvard Medical School Division of Sleep Medicine (which Dr. Czeisler directs)
		Vanda Pharmaceuticals	Institutional educational Grant funding to the Sleep and Health Education Program of the Harvard Medical School Division of Sleep Medicine (which Dr. Czeisler directs)
3	Royalties or licenses	<input type="checkbox"/> None	
		Philips Respironics, Inc.	I assigned all rights to Philips Respironics Inc. Although I have not consulted with the company in more than 10 years, I continue to receive royalty payments on sales of the Actiwatch-2 and Actiwatch-Spectrum devices
4	Consulting fees	<input type="checkbox"/> None	
		With Deep, Inc	Personal consultancy fees
		Vanda Pharmaceuticals	Personal consultancy fees
		Signos, Inc	Personal consultancy fees
		Bryte Foundation	Personal consultancy fees
		Simpson & Simpson	Personal consultancy fees
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input type="checkbox"/> None	
		Associated Professional Sleep Societies	Honorarium for Thomas Roth Lecture of Excellence at SLEEP 2022 annual meeting
		Massachusetts Medical Society	Honorarium for writing Perspective article in <i>New England Journal of Medicine</i>
		National Sleep Foundation	Chair, Sleep Timing and Variability Consensus Panel

		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
		Teva Pharma Australia	Honorarium for delivering series of lectures on Shift Work Disorder via Zoom
		University of Colorado	Honorarium for delivering lecture
6	Payment for expert testimony	<input type="checkbox"/> None	
		Atty Yolanda Huang and Kaitlyn Murphy. Esq. Deputy City Attorney, City of San Francisco	Norbert et al.vs. San Francisco County Sheriff's Department et al./personal fees
		Clement Law Firm	Dally et al vs. C&J Energy Services et al/personal fees
		Law Office of Daniel D. Horowitz III, P.C.	Amaya et al. vs. C&J Energy Services, Inc et al./personal fees
		Segal Law Firm	Hammett et al. vs. Enterprise Rent-A-Car et al./personal fees
		Zehl and Associates, P.C.	Various matters
		Paul, Weiss, Rifkind, Wharton & Garrison LLP	Expert witness services regarding Patent Litigation (Vanda Pharmaceuticals Inc., Plaintiff, vs. Teva Pharmaceuticals USA, Inc./ and Apotex Corp., MSN Pharmaceuticals Inc and MSN Laboratories Private Limited)
		The Armstrong Firm, PLLC and Rabb and Rabb PLLC	Torres et al., vs. Top Run Energy Services, LLC and Butch's Rat Hole & Anchor Service, Inc./personal fees
		Shaked Law Firm, P.A.	Faneite Law Formvs. Penske Logistics
		Haglund Kelley LLP	Rate Commission Hearing Testimony for Puget Sound Pilots' works scheduling/personal fees
		Law Offices of James L Mitchell	Peake vs. Fevid Transport et al.
7	Support for attending meetings and/or travel	<input type="checkbox"/> None	
		Stanley Ho Medical Development Foundation	Travel to Macao and Hong Kong
		Associated Professional Sleep Societies	Travel support for Thomas Roth Lecture of Excellence at SLEEP 2022 annual meeting
8	Patents planned, issued or pending	<input checked="" type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input type="checkbox"/> None	
		UK Biotechnology and Biological Sciences Research Council	Advisory Board member
		Institute of Digital Media and Child Development	Advisory Board member
		Klarman Family Foundation	Advisory Board member
		Journal of Biological Rhythms	Advisory Board Member

		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
11	Stock or stock options	<input type="checkbox"/> None	
		Vanda Pharmaceuticals, Inc.	Dr. Czeisler has equity interest
		With Deep, Inc.	Dr. Czeisler has equity interest
		Signos, Inc.	Dr. Czeisler has equity interest
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input type="checkbox"/> None	
		Johnson & Johnson	Institutional educational gift to Brigham and Women's Hospital
		Mary Ann and Stanley Snider via Combined Jewish Philanthropies	Institutional educational gift to Brigham and Women's Hospital
		Alexandra Drane	Institutional research gift to Brigham and Women's Hospital
		DR Capital	Institutional research gift to Brigham and Women's Hospital
		Harmony Biosciences LLC	Institutional educational gift to Brigham and Women's Hospital
		ResMed, Inc.	Institutional educational equipment gift to Harvard University
		Vanda Pharmaceuticals, Inc	Institutional educational gift to Brigham and Women's Hospital
		Eisai Co., LTD	Institutional educational gift to Brigham and Women's Hospital
		Jazz Pharmaceuticals	Institutional educational gift to Brigham and Women's Hospital
		Idorsia Pharmaceuticals LTD	Institutional educational gift to Brigham and Women's Hospital
		Sleep Number Corp.	Institutional educational gift to Brigham and Women's Hospital
		Apnimed, Inc.	Institutional educational gift to Brigham and Women's Hospital
		Avadel Pharmaceuticals	Institutional educational gift to Brigham and Women's Hospital
		Axome Therapeutics, Inc.	Institutional educational gift to Brigham and Women's Hospital
		Bryte Foundation	Institutional gift to support education and research to Brigham and Women's Hospital
		f.lux Software, LLC	Institutional gift to support education and research to Brigham and Women's Hospital
		Stuart F. and Diana L. Quan Charitable Fund	Institutional gift to support education and research to Brigham and Women's Hospital
		Casey Feldman Foundation	Institutional gift to support education and research to Brigham and Women's Hospital
		Roman Catholic Archdiocese of Boston	Institutional gift to support education and research to Brigham and Women's Hospital
		Summus, Inc.	Institutional gift to support education and research to Brigham and Women's Hospital
Takeda Pharmaceutical Co., LTD	Institutional gift to support education and research to Brigham and Women's Hospital		

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		Philips Respironics	Institutional gift to support education and research to Brigham and Women's Hospital						
		Abbaszadeh Foundation	Institutional gift to support education and research to Brigham and Women's Hospital						
		Sharon and John Loeb	Institutional gift to support education and research to Brigham and Women's Hospital						
		CDC Foundation	Institutional gift to support research to Brigham and Women's Hospital						
		Centers for Disease Control and Prevention	Institutional gift to support research to Brigham and Women's Hospital						
		ResMed, Inc.	Institutional educational, research and equipment gifts to Harvard University						
13	Other financial or non-financial interests	<input checked="" type="checkbox"/> None	<table border="1"> <tr> <td></td> <td>Dr. Czeisler's interests were reviewed and are managed by the Brigham and Women's Hospital and Mass General Brigham in accordance with their conflict-of-interest policies. Though none of the interests in sections 2-7 are directly related to the current manuscript, in the interest of full disclosure, they are reported herein.</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>		Dr. Czeisler's interests were reviewed and are managed by the Brigham and Women's Hospital and Mass General Brigham in accordance with their conflict-of-interest policies. Though none of the interests in sections 2-7 are directly related to the current manuscript, in the interest of full disclosure, they are reported herein.				
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<p>Please place an "X" next to the following statement to indicate your agreement:</p> <p><input checked="" type="checkbox"/> I certify that I have answered every question and have not altered the wording of any of the questions on this form.</p>									

ICMJE DISCLOSURE FORM

Date: 9/21/2022

Your Name: Mark Czeisler

Manuscript Title: Years of Life Lost in the United States During the COVID-19 Pandemic, March–December in 2020 and 2021

Manuscript Number (if known): M22-2226

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Time frame: past 36 months											
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input type="checkbox"/> None <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">US Centers for Disease Control and Prevention</td> <td style="width: 50%;">Contract with Massachusetts General Brigham for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity</td> </tr> <tr> <td>CDC Foundation</td> <td>Contract with Monash University for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity</td> </tr> <tr> <td>WHOOP, Inc.</td> <td>Gift to Monash University for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity</td> </tr> <tr> <td>Hopelab, Inc.</td> <td>Gift to Monash University for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity</td> </tr> </table>	US Centers for Disease Control and Prevention	Contract with Massachusetts General Brigham for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity	CDC Foundation	Contract with Monash University for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity	WHOOP, Inc.	Gift to Monash University for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity	Hopelab, Inc.	Gift to Monash University for The COVID-19 Outbreak Public Evaluation (COPE) Initiative public health surveillance activity	
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		The Kinghorn Foundation	Funding for a Fulbright Scholarship
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees	<input type="checkbox"/> None	
		Vanda Pharmaceuticals	
		Nythemeron, LLC	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
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	Monitoring Board or Advisory Board		
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input type="checkbox"/> None	
		With Deep	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	<input checked="" type="checkbox"/> None	

Please place an "X" next to the following statement to indicate your agreement:

I certify that I have answered every question and have not altered the wording of any of the questions on this form.