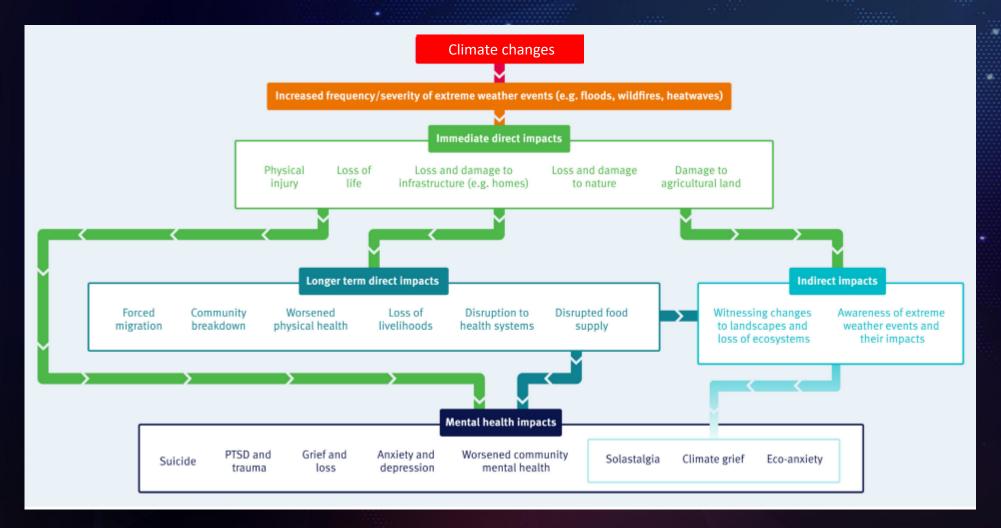


Illustrative pathways by which extreme weather events impact mental health, with arrows indicating direction from cause to effect.



Climate change ultimately impacts a range of mental health outcomes via many different pathways, and so the mental health impacts of climate change must ultimately be assessed by thinking about entire systems. Example pathways shown here arise from an extreme weather event (e.g. a flood or wildfire), which has immediate direct impacts (e.g. physical injury and loss and damage to homes), longer term direct impacts (e.g. forced migration and disrupted food supply) and indirect impacts (e.g. witnessing changes to landscapes and ecosystems). Each of these impacts or consequences flowing from the climate changerelated extreme weather event can impact mental health outcomes.

INCIDENCE OF MAJOR DEPRESSIVE EPISODE (MDE) IN LAST 12 MONTHS: PERCENT OF ADOLESCENTS AND ADULTS BY AGE CATEGORY, 2005–2017

Age (years)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	PD
12–13	5.59	5.27	4.29	5.18	4.57	4.20	4.16	5.58	5.90	7.17	8.20	7.22	6.73	+47% (+20%)
14–15	9.19	7.82	8.60	8.62	8.72	9.11	8.71	10.05	12.14	11.76	13.77	13.32	14.28	+64% (+55%
16-17	11.18	10.59	11.55	11.14	10.55	10.68	11.69	11.93	13.38	14.68	15.52	17.60	17.81	+69% (+59%
18–19		_	_		8.50	8.74	8.68	9.64	9.17	10.62	11.34	11.23	12.42	+46%
20-21		_	_	_	6.80	8.47	8.36	9.19	9.06	8.94	11.68	12.48	15.12	+122%
22-23	-	_	_	_	8.01	8.86	7.32	8.93	8.53	9.5	9.41	9.97	12.77	+59%
24-25	_	_	_		8.90	7.59	8.56	8.18	8.98	9.19	8.8	9.98	12.37	+39%
26-29		-	<u> </u>		7.53	6.76	8.34	7.88	8.34	7.56	8.16	7.98	9.55	+27%
30-34		_	_	_	8.29	7.41	7.43	7.49	8.02	6.76	6.96	7.94	7.98	-4%
35-49	-		_	-	7.47	7.59	8.19	7.56	7.35	7.25	7.67	7.05	7.21	-3 %
50-64	_		_	_	7.22	7.94	6.98	7.16	7.16	6.96	6.04	6.29	6.23	-14%
65+	_	(-	2.44	2.27	1.78	3.37	2.68	3.00	3.19	2.64	3.17	+30%

onature

TROUBLING TREND

PERCENT WITH MAJOR DEPRESSIVE EPISODE
IN THE PAST 12 MONTHS, BY AGE GROUP, 2009 –2017

Source: Jean M. Twenge, A. Bell Cooper, Thomas E. Joiner, Mary E. Duffy, Sarah G. Binau. Age, period, and cohort trends in mood disorder indicators and suicide-related outcomes in a nationally representative dataset, 2005–2017.. Journal of Abnormal Psychology, 2019; DOI: 10.1037/abn0000410

INCIDENCE OF SUICIDAL THOUGHTS, PLANS, AND ATTEMPTS IN LAST 12 MONTHS: PERCENTAGE OF ADULTS BY AGE CATEGORY

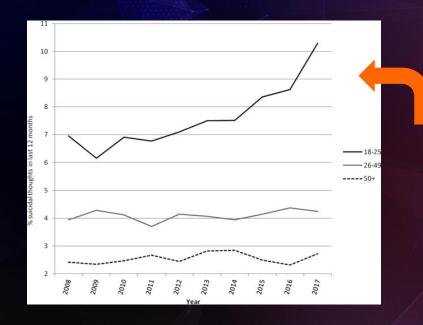
Table 5
Incidence of Suicidal Thoughts, Plans, and Attempts in Last 12 Months: Percentage of Adults by Age Category

							37.				
Age (years)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	PD
Thoughts											
18-19	8.51	7.44	8.59	8.86	9 43	9 63	9.82	11.16	10.35	12.40	+46%
20-21	7.17	6.52	7.32	6.89	7.58	8.46	7.91	8.60	10.10	12.03	+68%
22-23	5.72	5.33	6.13	5.94	6.15	6.67	6.46	7.88	7.66	8.86	+55%
24-25	6.20	5.07	5.41	5.27	5.45	5.25	5.87	5.93	6.60	7.98	+29%
26-29	4.35	4.15	4.43	4.42	4.20	4.41	4.37	6.07	5.70	6.30	+45%
30-34	3.71	4.38	4.00	2.59	4.19	4.44	4.17	4.36	5.11	4.46	+20%
35-49	3.90	4.30	4.09	3.89	4.13	3.86	3.75	3.54	3.74	3.58	-8%
50-64	2.95	3.04	3.06	3.35	2.84	3.73	3.75	3.01	2.89	3.07	+4%
65+	1.62	1.30	1.61	1.67	2.07	1.54	1.58	1.78	1.63	2.28	+41%
Plans	53.7830		induction.		STEEL STATE OF	S 100 h	2000000	31990			
18-19	2.94	2.61	2.67	2.56	3.58	3.31	3.09	4.15	3.52	5.17	+76%
20-21	2.16	1.89	2.11	1.68	2.39	3.02	2.57	2.76	3.46	4.59	+113%
22-23	1.21	1.23	1.90	1.43	1.62	2.20	1.69	2.59	2.41	2.63	+117%
24-25	1.6/	1.62	1.56	1.79	1.62	1.21	1.68	1.24	2.02	2.24	+34%
26-29	1.14	.78	1.00	1.70	1.11	1.54	1.27	1.17	1.55	1.58	+39%
30-34	1.13	.89	1.19	.52	.93	1.42	.96	1.15	1.40	1.10	-3%
35-49	1.03	1.15	1.09	1.17	1.49	1.25	1.12	.92	1.12	1.07	+4%
50-64	1.02	.91	1.04	.95	.66	.70	.93	.86	.63	.83	-19%
65+	.26	.20	.61	.33	.51	.21	.52	.41	.22	.49	+88%
Attempts	.20	.20	.01	.55	.51	.2.1	.52	.71	.22	.47	1 007
18-19	2.46	1.46	1.68	1.87	2.07	1.77	1.66	2.42	2.36	2.99	+22%
20-21	1.07	.90	1.10	1.26	1.60	1.40	1.38	1.63	2.31	2.00	+87%
22-23	.65	.73	1.13	.74	1.08	.91	.96	1.48	1.17	1.35	+108%
24-25	.89	1.11	.78	.88	.87	.54	.89	1.04	.97	1.10	+24%
26–29	.66	.34	.23	.73	.49	.62	.53	.65	.79	.96	+45%
30-34	.66	.43	.54	.40	.43	.76	.38	.63	.41	.37	-44%
35-49	.36	.43	.43	.41	.48	.59	.57	.39	.47	.40	+11%
50-64	.51	.27	.30	.50	.26	.32	.26	.42	.23	.33	-35%
65+	.07	.13	.23	.07	.32	.14	.16	.18	.15	.22	+214%
Choughts but no attempt	.07	.13	.23	.07	.32	.14	.10	.10	.13	.22	T2147
18–19	6.04	5.96	6.91	6.98	7.36	7.86	8.16	8.74	7.93	9.38	+55%
20-21 22-23	6.08	5.62	6.21	5.63	5.81	7.01	6.52	6.97	7.78	10.04	+65%
	5.07	4.60	5.00	5.20	5.07	5.73	5.50	6.39	6.49	7.51	+48%
24–25	5.31	3.96	4.63	4.39	4.58	4.70	4.98	4.88	5.64	6.89	+30%
26-29	3.67	3.81	4.21	3.69	3.71	3.79	3.81	5.42	4.91	5.60	+53%
30–34	3.06	3.95	3.46	2.19	3.75	3.67	3.79	3.73	4.70	4.08	+33%
35–49	3.54	3.87	3.64	3.47	3.65	3.27	3.17	3.14	3.27	3.18	-10%
50-64	2.44	2.77	2.76	2.85	2.47	3.42	3.49	2.59	2.65	2.74	+12%
65+	1.55	1.17	1.38	1.60	1.71	1.39	1.42	1.61	1.48	2.06	+33%

Note. Positive percent differences (PDs) indicate an increase in prevalence, and negative PDs indicate a decrease in prevalence.

COMPLETED SUICIDES, RATE OUT OF 100,000, BY AGE GROUP

Age (years)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	PD
18–19	9.33	9.58	10.17	10.76	10.50	10.30	10.78	12.70	12.11	14.53	56%
20-21	12.15	11.94	12.26	12.76	12.99	12.81	13.20	14.79	15.75	16.45	35%
22-23	13.13	13.18	14.65	14.55	14.16	14.46	14.84	15.28	16.58	17.38	32%
24-25	13.35	12.94	14.19	14.01	14.44	13.97	14.54	15.63	16.14	17.70	33%
26-29	12.82	12.78	14.28	14.54	14.91	15.43	15.16	15.20	16.60	17.24	34%
30-34	13.39	13.34	13.70	14.66	14.50	14.49	15.30	16.24	16.41	17.65	32%
35-49	16.87	16.92	17.16	17.32	17.57	17.11	17.67	17.87	17.74	18.70	119
50-64	17.00	17.76	18.39	18.30	18.98	18.98	19.49	19.78	19.47	19.42	14%
65+	14.84	14.78	14.89	15.28	15.40	16.15	16.67	16.58	16.66	16.85	14%

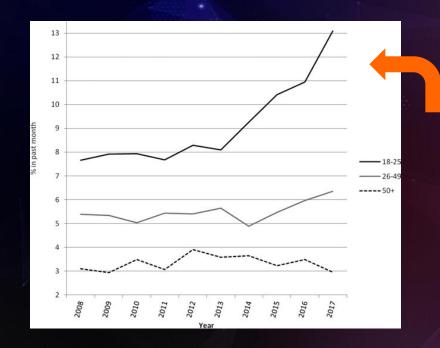


PERCENT OF ADULTS WITH AT LEAST ONE SUICIDE-RELATED OUTCOME (THOUGHTS, PLANS, OR ATTEMPTS) IN THE LAST YEAR, BY AGE GROUP, 2008 –2017.

Source: Jean M. Twenge, A. Bell Cooper, Thomas E. Joiner, Mary E. Duffy, Sarah G. Binau. Age, period, and cohort trends in mood disorder indicators and suicide-related outcomes in a nationally representative dataset, 2005–2017.. Journal of Abnormal Psychology, 2019; DOI: 10.1037/abn0000410

INCIDENCE OF SERIOUS PSYCHOLOGICAL DISTRESS IN LAST MONTH, PERCENT OF ADULTS BY AGE CATEGORY

Age (years)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	PD
18–19	8.97	8.47	8.92	9.23	9.4	9.55	10.99	12.33	13.05	14.97	+67%
20-21	8.09	8.45	9.04	7.07	8.57	8.68	9.77	10.68	12.62	14.37	+78%
22-23	6.96	7.56	7.20	7.07	7.48	7.94	8.27	9.09	9.77	11.99	+72%
24-25	6.38	7.08	6.36	7.24	7.58	6.19	8.05	9.53	8.48	11.08	+74%
26-29	6.17	5.31	5.67	7.01	6.07	7.33	5.12	7.24	7.16	9.19	+49%
30-34	4.96	6.06	5.37	4.87	6.04	5.96	5.36	5.38	6.17	6.58	+33%
35-49	5.31	5.11	4.75	5.16	5.01	5.06	4.66	5.00	5.56	5.44	+2%
50-64	3.21	3.63	4.41	4.10	4.37	4.14	4.41	4.15	4.62	3.83	+19%
65+	2.91	1.90	2.15	1.52	3.24	2.81	2.6	1.97	2.00	1.87	-36%



PERCENT WITH SERIOUS PSYCHOLOGICAL DISTRESS IN THE LAST MONTH BY AGE GROUP, 2008 –2017.

Source: Jean M. Twenge, A. Bell Cooper, Thomas E. Joiner, Mary E. Duffy, Sarah G. Binau. Age, period, and cohort trends in mood disorder indicators and suicide-related outcomes in a nationally representative dataset, 2005–2017.. Journal of Abnormal Psychology, 2019; DOI: 10.1037/abn0000410

PROPORTION OF MALE AND FEMALE ADOLESCENTS WHO SCORED 75% ON THE DEPRESSIVE SYMPTOMS SCALE, BY YEAR

■ Boy % in the top 75th percentile of depressive symptom score

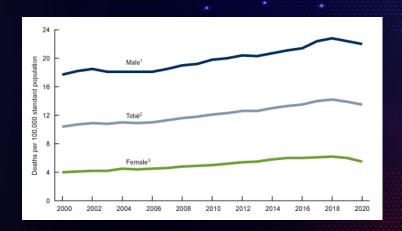
PROPORTION OF MALE AND FEMALE ADOLESCENTS WHO SCORED 90% ON THE DEPRESSIVE SYMPTOMS SCALE, BY YEAR



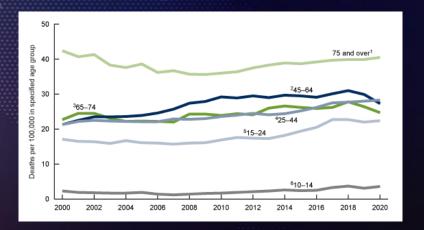
AGE-ADJUSTED SUICIDE RATES BY SEX: USA, 2000-2020

FEMALE SUICIDE RATES BY AGE GROUP: USA, 2000-2020

MALE SUICIDE RATES BY AGE GROUP: USA, 2000-2020



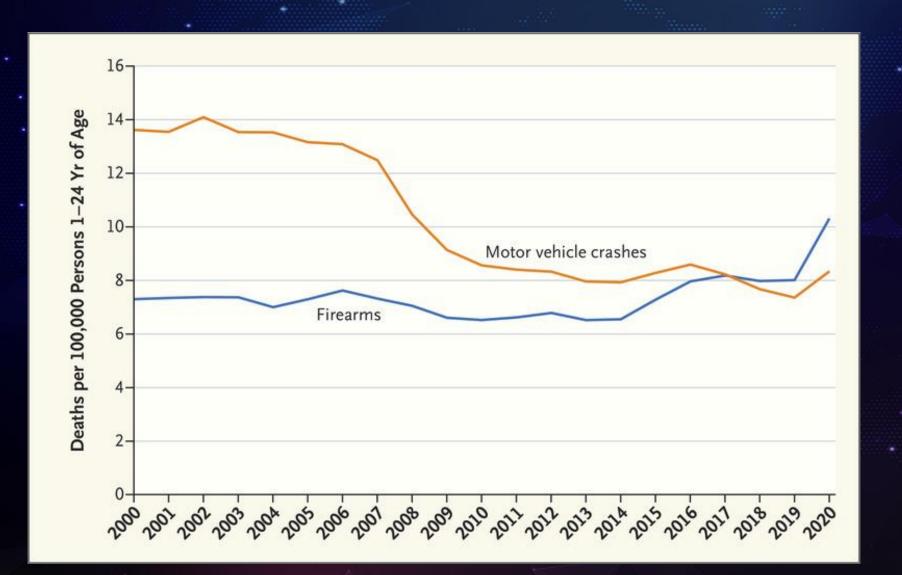




CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC) WISQARS LEADING CAUSES OF DEATH REPORTS, IN 2020:

		10 Leading Causes of Death, United States 2020, Both Sexes, All Ages, All Races												
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	All Ages			
1	Congenital Anomalies 4 043	Unintentional Injury 1 153	Unintentional Injury 685	Unintentional Injury 881	Unintentional Injury 15 117	Unintentional Injury 31 315	Unintentional Injury 31 057	Malignant Neoplasms 34 589	Malignant Neoplasms 110 243	Heart Disease 556 665	Heart Disease 696 962			
2	Short Gestation 3 141	Congenital Anomalies 382	Malignant Neoplasms 382	Suicide 581	Homicide 6 466	Suicide 8.454	Heart Disease 12 177	Heart Disease 34 169	Heart Disease 88 551	Malignant Neoplasms 440 753	Malignant Neoplasms 602 350			
3	Sids 1 389	Homicide 311	Congenital Anomalies 171	Malignant Neoplasms 410	Suicide 6 062	Homicide 7 125	Malignant Neoplasms 10 730	Unintentional Injury 27 819	Covid-19 42 090	Covid-19 282 836	Covid-19 350 831			
4	Unintentional Injury 1 194	Malignant Neoplasms 307	Homicide 169	Homicide 285	Malignant Neoplasms 1 306	Heart Disease 3 984	Suicide 7 314	Covid-19 16 964	Unintentional Injury 28 915	Cerebrovascular 137 392	Unintentional Injury 200 955			
5	Maternal Pregnancy Comp. 1 116	Heart Disease	Heart Disease 56	Congenital Anomalies 150	Heart Disease 870	Malignant Neoplasms 3 573	Covid-19 6 079	Liver Disease 9 503	Chronic Low. Respiratory Disease 18 816	Alzheimer's Disease 132 741	Cerebrovascular 160 264			
6	Placenta Cord Membranes 700	Influenza & Pneumonia 84	Influenza & Pneumonia 55	Heart Disease	Covid-19 501	Covid-19 2 254	Liver Disease 4 938	Diabetes Mellitus 7 546	Diabetes Mellitus 18 002	Chronic Low. Respiratory Disease 128 712	Chronic Low. Respiratory Disease 152 657			
7	Bacterial Sepsis 542	Cerebrovascular 55	Chronic Low. Respiratory Disease 54	Chronic Low. Respiratory Disease 93	Congenital Anomalies 384	Liver Disease 1 631	Homicide 4 482	Suicide 7 249	Liver Disease 16 151	Diabetes Mellitus 72 194	Alzheimer's Disease 134 242			
8	Respiratory Distress 388	Perinatal Period 54	Cerebrovascular 32	Diabetes Mellitus	Diabetes Mellitus 312	Diabetes Mellitus 1 168	Diabetes Mellitus 2 904	Cerebrovascular 5 686	Cerebrovascular 14 153	Unintentional Injury 62 796	Diabetes Mellitus 102 188			
9	Circulatory System Disease 386	Septicemia 43	Benign Neoplasms 28	Influenza & Pneumonia 50	Chronic Low. Respiratory Disease 220	Cerebrovascular 600	Cerebrovascular 2 008	Chronic Low. Respiratory Disease 3 538	Suicide 7 160	Nephritis 42 675	Influenza & Pneumonia 53 544			
10	Neonatal Hemorrhage 317	Benign Neoplasms 35	Suicide 20**	Cerebrovascular 44	Complicated Pregnancy 191	Complicated Pregnancy 594	Influenza & Pneumonia 1 148	Homicide 2 542	Influenza & Pneumonia 6 295	Influenza & Pneumonia 42 511	Nephritis 52 547			

MORTALITY FROM MOTOR VEHICLE CRASHES AND FIREARMS AMONG CHILDREN, ADOLESCENTS, AND YOUNG ADULTS, UNITED STATES, 2000–2020

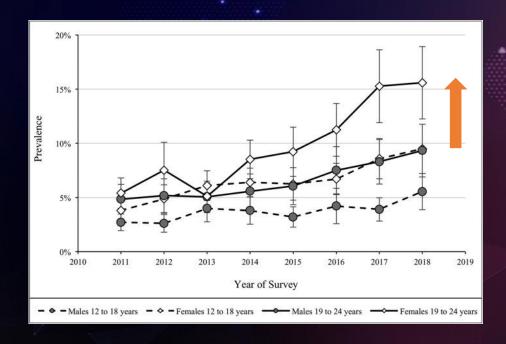


ntrol and Prevention. WISQARS injury data (https://www.cdc.gov/injury/wisqars/index.html. opens in new tab). nway, D. (2022). Crossing lines—a change in the leading cause of death among US children. New England Journal of

https://www.nejm.org/doi/full/10.1056/NEJMp2200169#article_citing_articles Goldstick, J. E., Cunningham, R. M., & Carter, P. M. (2022). Current causes of death in children and adolescents in the United States. New England journal of medicine, 386(20), 1955-1956.

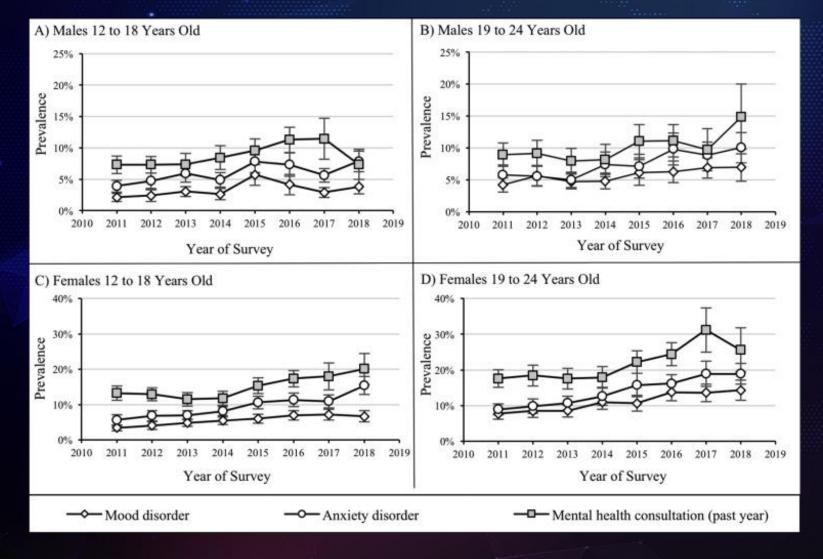
ACCORDING TO MENTAL HEALTH ASSESSMENTS OF YOUNG PEOPLE FROM 12 TO 24 YEARS OF AGE, THERE HAS BEEN AN APPROXIMATELY TWO-FOLD INCREASE IN THE FOLLOWING PREVALENCE RATES OVER AN EIGHT-YEAR PERIOD (2011-2018):

- DIAGNOSED MOOD DISORDERS INCREASED FROM 4.3 TO 7.8%,
- DIAGNOSED ANXIETY DISORDER INCREASED FROM 6.0 TO 12.9%,
- PAST-YEAR SUICIDALITY INCREASED FROM 3.0% IN 2011 TO 5.8% IN 2016,
- THE PREVALENCE OF POOR/FAIR PERCEIVED MENTAL HEALTH INCREASED FROM 4.2% IN 2011 TO 9.9% IN 2018



PREVALENCE OF PERCEIVED POOR/FAIR MENTAL HEALTH AMONG YOUTH 12–24 YEARS OLD, STRATIFIED BY AGE AND SEX GROUPS.

PREVALENCE OF PROFESSIONALLY DIAGNOSED MOOD AND ANXIETY DISORDERS AND PAST YEAR PREVALENCE OF MENTAL HEALTH CONSULTATIONS AMONG YOUTH 12–24 YEARS OLD, STRATIFIED BY AGE AND SEX GROUPS



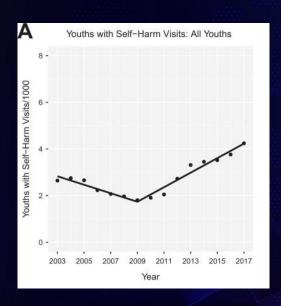
THE NUMBER OF PEOPLE VISITING MENTAL HEALTH SERVICES HAS ALSO INCREASED

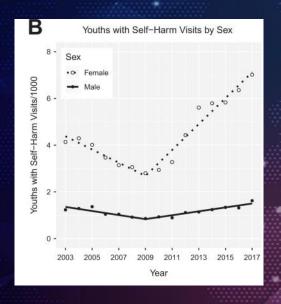
- THE PREVALENCE OF MENTAL HEALTH COUNSELLING VISITS (OVER THE PAST 12 MONTHS)
 INCREASED FROM 11.7% IN 2011 TO 17.0% IN 2018.
- MOREOVER, IN ONTARIO, THE NUMBER OF VISITS TO A MENTAL HEALTH EMERGENCY DEPARTMENT AMONG YOUTH INCREASED FROM 11.7 PER 1000 IN 2003 TO 24.1 PER 1000 IN 2017

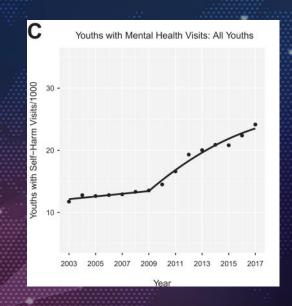
"IN ONTARIO, CANADA, RATES OF MENTAL HEALTH OR ADDICTION-RELATED EMERGENCY DEPARTMENT (ED) VISITS CONTINUE TO RISE IN CHILDREN AND YOUTH; HOWEVER, IT IS UNCLEAR WHAT IS DRIVING THIS CHANGE. WE DECONSTRUCTED THIS TREND BY SOCIODEMOGRAPHIC AND CLINICAL CHARACTERISTICS, USING LINKED HEALTH ADMINISTRATIVE DATA SETS. MENTAL HEALTH OR ADDICTION-RELATED ED VISIT RATES INCREASED BY 89.1 PERCENT BETWEEN 2006 AND 2017, WITH THE GREATEST RISE OBSERVED FOR THOSE AGES 14-21, HIGH-ACUITY CASES, AND ANXIETY AND MOOD DISORDERS. WE OBSERVED A SIGNIFICANTLY SHARP INCREASE AFTER 2009..."

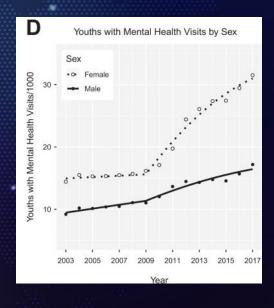
Source: Chiu, M., Gatov, E., Fung, K., Kurdyak, P., & Guttmann, A. (2020). Deconstructing The Rise In Mental Health-Related ED Visits Among Children And Youth In Ontario, Canada. Health affairs (Project Hope), 39(10), 1728–1736. https://doi.org/10.1377/hlthaff.2020.00232 https://pubmed.ncbi.nlm.nih.gov/33017254/

RATES OF ADOLESCENTS WITH SELF-HARM EMERGENCY DEPARTMENT (ED) VISITS: 2003 TO 2017



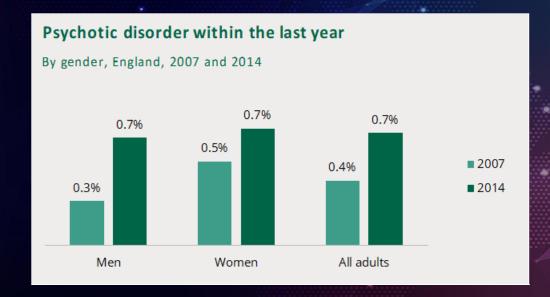




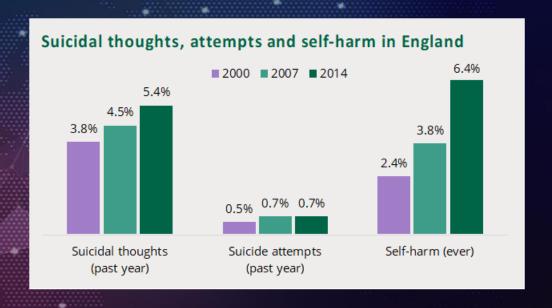


- (A) Rates of adolescents having a self-harm ED visit, per thousand adolescents in the population, as a function of time.
- (B) Rates of adolescents having a self-harm ED visit by sex.
- (C) Rates of adolescents having a mental health ED visit.
- (D) Rates of adolescents having a self-harm ED visit by sex.

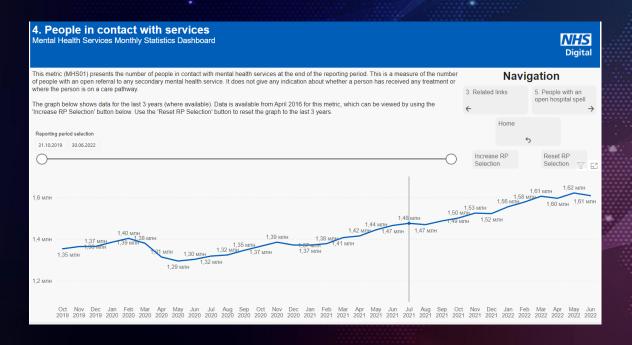
INCREASE IN THE PREVALENCE OF PSYCHOTIC DISORDERS FROM 2007 TO 2014

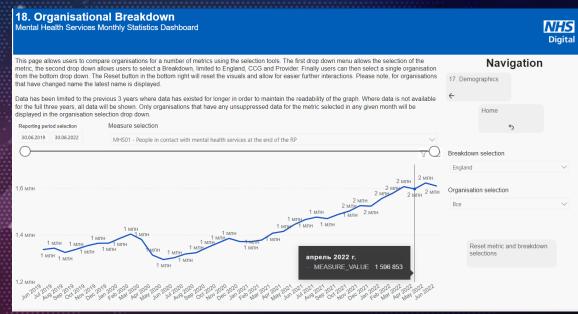


INCREASING PREVALENCE OF SUICIDAL BEHAVIOUR AND SELF-HARM FROM 2007 TO 2014

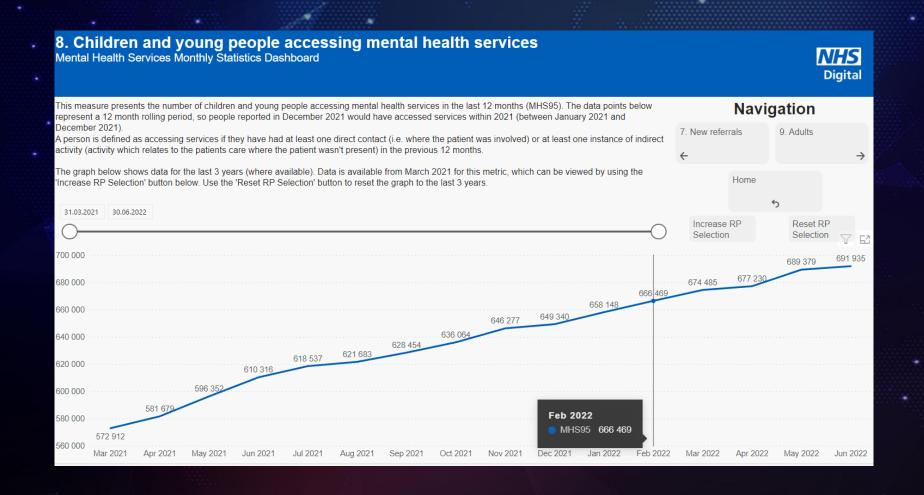


INCREASING THE NUMBER OF PEOPLE IN CONTACT WITH MENTAL HEALTH SERVICES IN THE UK FROM OCTOBER 2019 TO JUNE 2022



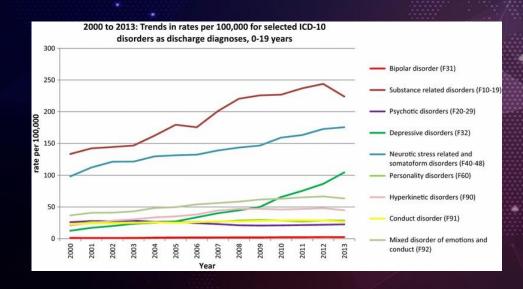


INCREASE IN CASES OF CHILDREN AND YOUNG PEOPLE ACCESSING MENTAL HEALTH SERVICES 2021 - 2022



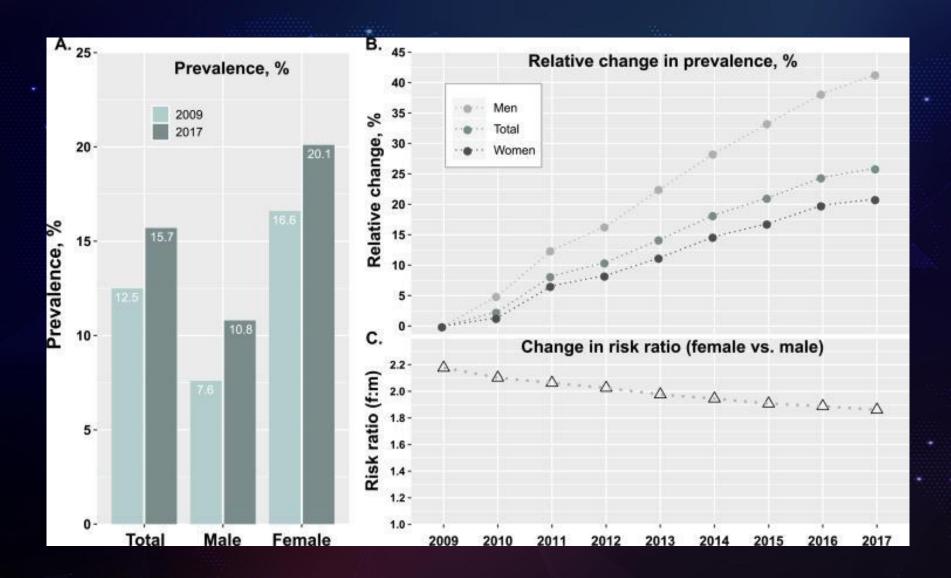
THERE WAS AN INCREASE IN HOSPITALISATION FOR ALL CATEGORIES OF MENTAL DISORDERS, WITH THE EXCEPTION OF PSYCHOTIC DISORDERS, PER 100,000, IN THE PERIOD BETWEEN 2000 AND 2013 IN THE 0–19 AGE GROUP. IN DESCENDING ORDER OF PERCENTAGE INCREASE, THESE WERE:

- DEPRESSIVE DISORDERS (832%),
- HYPERKINETIC DISORDERS (214%),
- NEUROTIC, STRESS-RELATED AND SOMATOFORM DISORDERS (179%),
- MIXED DISORDERS OF CONDUCT AND EMOTIONS (173%),
- SUBSTANCE-RELATED DISORDERS (168%),
- PERSONALITY DISORDERS (137%) AND
- CONDUCT DISORDERS (114%).

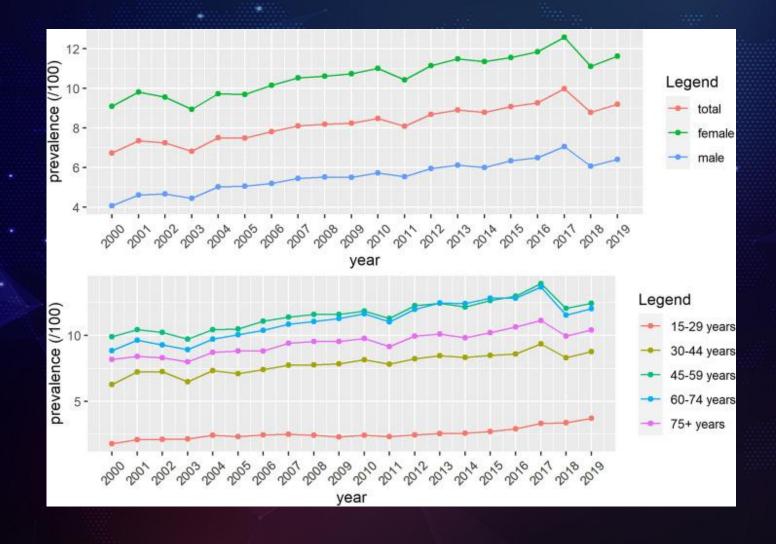


TRENDS IN THE FREQUENCY (PER 100,000)
OF INDIVIDUAL DISEASES ACCORDING TO ICD-10
AS DIAGNOSES AT DISCHARGE IN MINORS
AGED 0-19 YEARS FROM 2000 TO 2013

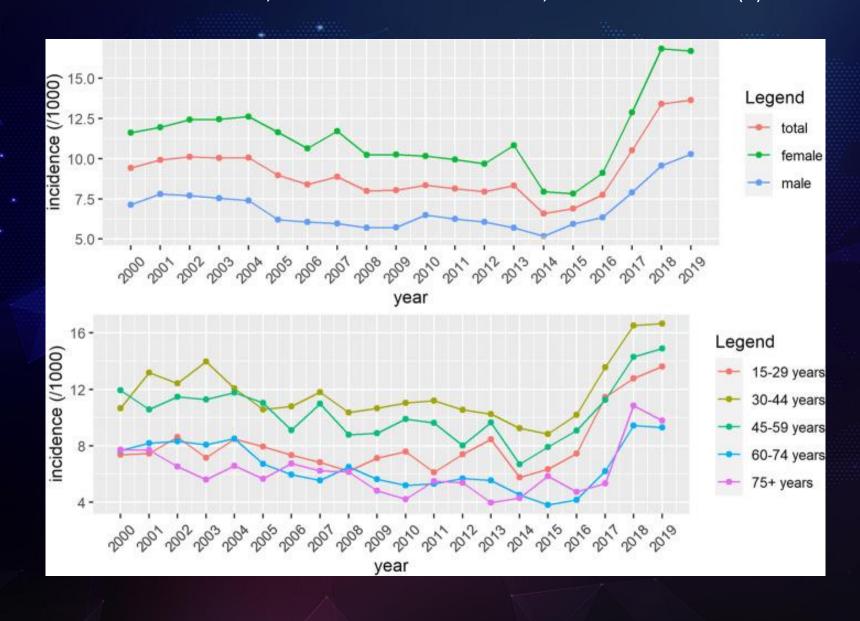
INCREASE IN THE PREVALENCE OF DEPRESSION IN GERMANY FROM 2009 TO 2017



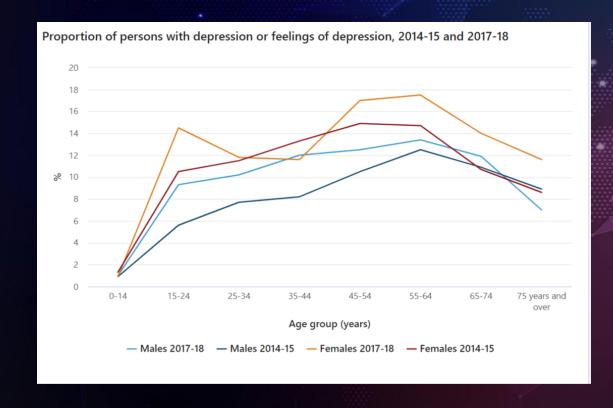
PREVALENCE OF DEPRESSION IN FLANDERS, BELGIUM FROM 2000 TO 2019, AGE-STANDARDIZED (A) AND PER AGE GROUP (B)

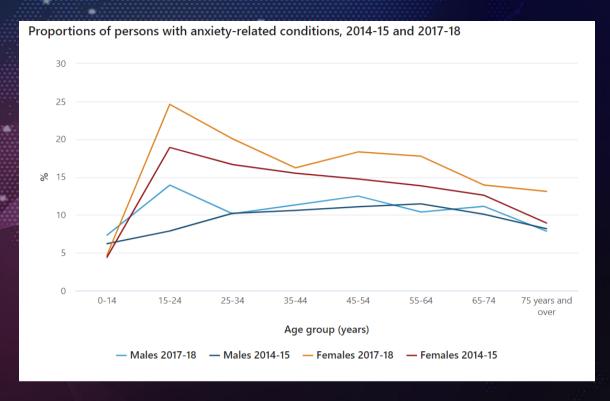


INCIDENCE OF DEPRESSION IN FLANDERS, BELGIUM FROM 2000 TO 2019, AGE-STANDARDIZED (A) AND PER AGE GROUP (B)



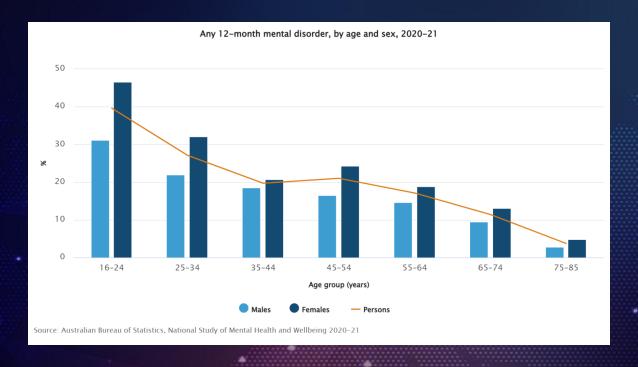
- IN 2017-18, ONE IN FIVE (20.1%) OR 4.8 MILLION AUSTRALIANS HAD A MENTAL OR BEHAVIOURAL CONDITION, AN INCREASE FROM 4.0 MILLION AUSTRALIANS (17.5%) IN 2014-15.
- IN 2017-18, 3.2 MILLION AUSTRALIANS (13.1%) HAD AN ANXIETY-RELATED CONDITION, AN INCREASE FROM 11.2% IN 2014-15.
- ONE IN TEN PEOPLE (10.4%) HAD DEPRESSION OR FEELINGS OF DEPRESSION, AN INCREASE FROM 8.9% IN 2014-15.

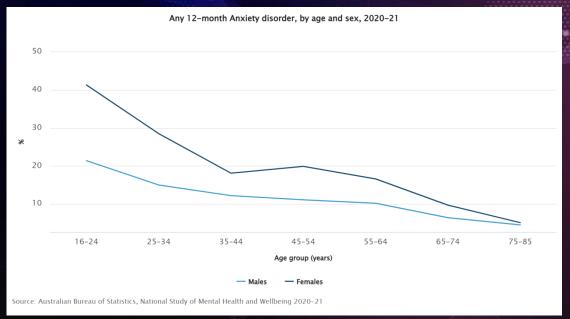


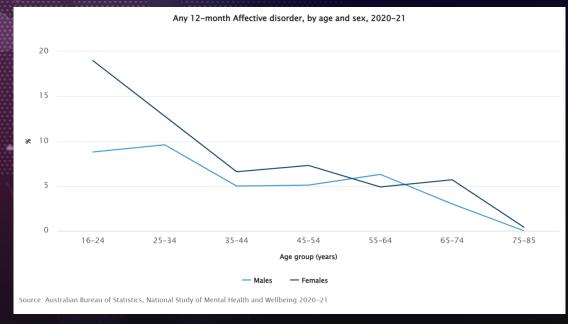


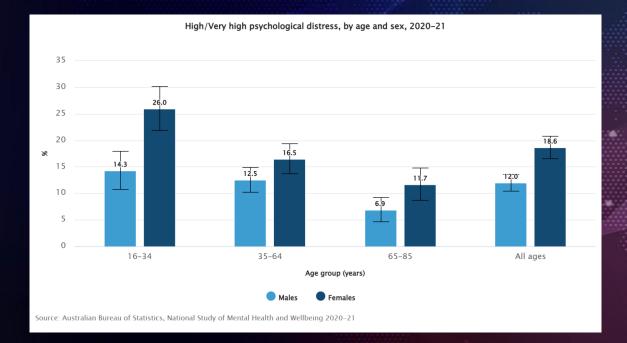
THE MENTAL HEALTH SITUATION FOR AUSTRALIANS HAS CONTINUED TO DETERIORATE BETWEEN 2020 AND 2021. OF THE 19.6 MILLION AUSTRALIANS AGED 16-85 YEARS

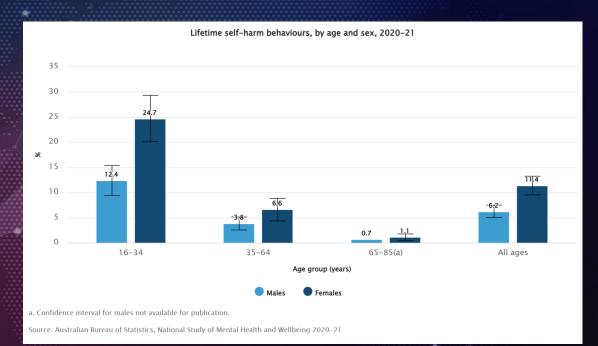
- OVER TWO IN FIVE AUSTRALIANS AGED 16-85 YEARS (43.7% OR 8.6 MILLION PEOPLE) HAD EXPERIENCED
 A MENTAL DISORDER AT SOME TIME IN THEIR LIFE
- ONE IN FIVE (21.4% OR 4.2 MILLION PEOPLE) HAD A 12-MONTH MENTAL DISORDER (16.8% OR 3.3 MILLION PEOPLE)
- ALMOST TWO IN FIVE PEOPLE (39.6%) AGED 16-24 YEARS HAD A 12-MONTH MENTAL DISORDER
- ANXIETY WAS THE MOST COMMON GROUP OF 12-MONTH MENTAL DISORDERS, 16.8% (3.3 MILLION PEOPLE) HAD A 12-MONTH ANXIETY DISORDER
- 7.5% (1.5 MILLION PEOPLE) HAD A 12-MONTH AFFECTIVE DISORDER
- 3.3% (650,800 PEOPLE) HAD A 12-MONTH SUBSTANCE USE DISORDER.



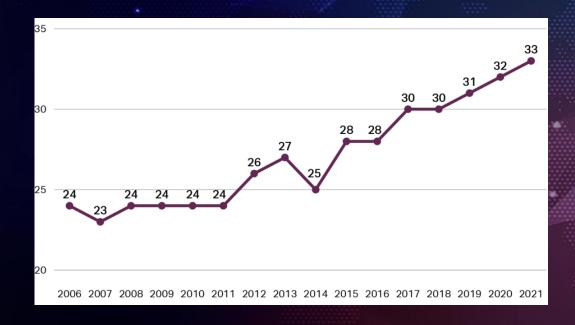








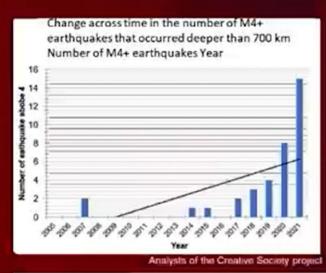
THE GLOBAL RISE OF UNHAPPINESS. NEGATIVE EXPERIENCE INDEX IN 2021. WORLDWIDE

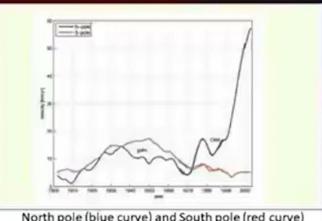


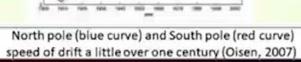
PERCENTAGE OF PEOPLE WHO EXPERIENCED STRESS IN 2021

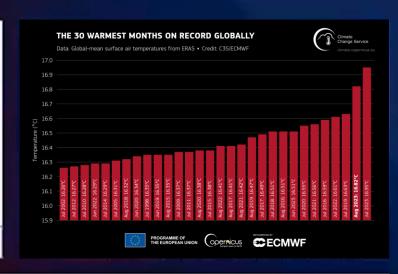


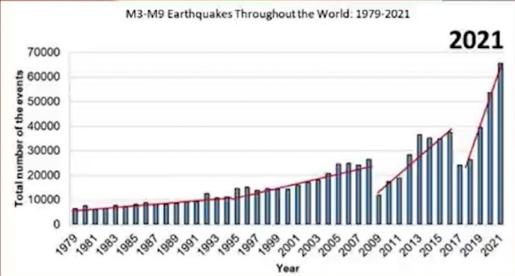
Source: https://www.gallup.com/analytics/349280/gallup-global-emotions-report.aspx

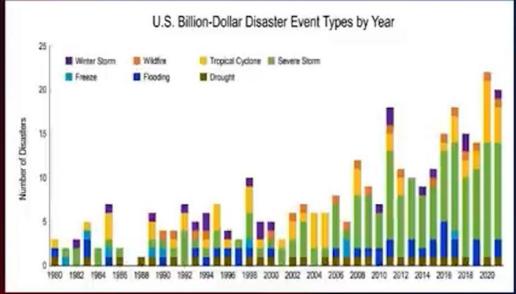












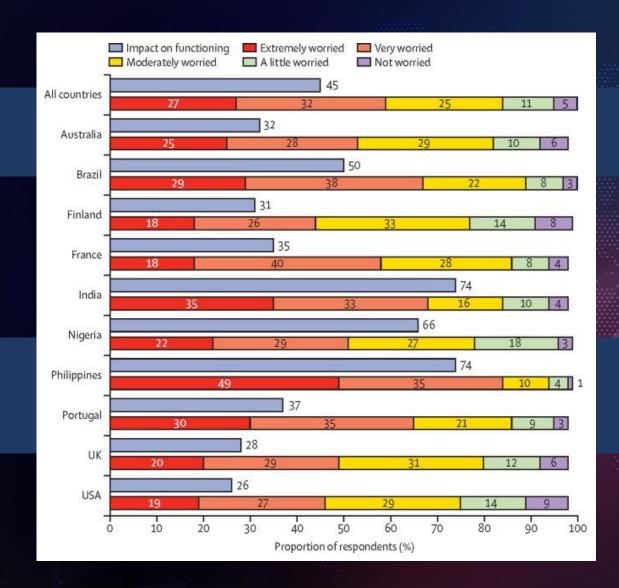


Figure 1.

Worry about climate change and impact on functioning

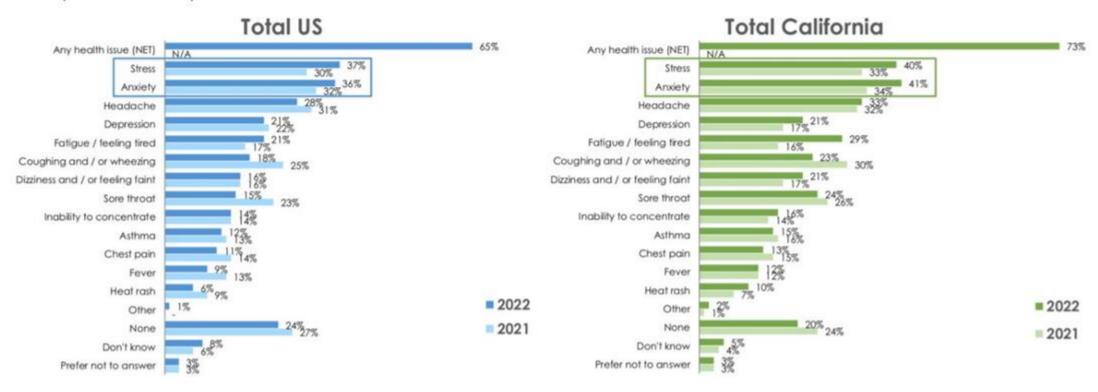
Source: https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(21)00278-3/fulltext#seccestitle180 Hickman, C., Marks, E., Pihkala, P., Clayton, S., Lewandowski, R. E., Mayall, E. E., Wray, B., Mellor, C., & van Susteren, L. (2021). Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey. The Lancet. Planetary health, 5(12), e863–e873. https://doi.org/10.1016/S2542-5196(21)00278-3



Source: https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(21)00278-3/fulltext#seccestitle180
Hickman, C., Marks, E., Pihkala, P., Clayton, S., Lewandowski, R. E., Mayall, E. E., Wray, B., Mellor, C., & van Susteren, L. (2021). Climate anxiety in children and young people and their beliefs about government responses to climate change: a global survey. The Lancet. Planetary health, 5(12), e863–e873. https://doi.org/10.1016/S2542-5196(21)00278-3

Nearly 2 in 3 youth in the U.S. – and 3 in 4 in California – have experienced at least one mental or physical health-related issue stemming from a natural disaster or environmental event.

Alarmingly, there has been an increase in stress and anxiety in Gen Z youth across the US as well as in California, compared to last year.



DR. KYOICHI NAKAGAWA, DIRECTOR OF ISUZU HOSPITAL IN TOKYO, JAPAN, IS ONE OF THE FOUNDERS OF MODERN MAGNETIC RESEARCH IN RELATION TO HEALTH, SAYS:

"THE HUMAN BODY IS ESSENTIALLY A LARGE ELECTROMAGNETIC FIELD THAT OPERATES UNDER THE INFLUENCE OF ELECTRICALLY CHARGED IONS. THE NERVOUS SYSTEM IS IN PART CONTROLLED BY CHANGING PATTERNS OF IONS AND OF ELECTROMAGNETIC FIELDS. THEREFORE, EVERY THOUGHT AND/OR ACTION CAUSES THE ELECTRIC TRANSFER OF SIGNALS FROM THE BRAIN TO THE CORRESPONDING LIMB. THE EXISTENCE OF EVERY CELL IN OUR BODY IS BASED ON ELECTRICITY. A DISTURBANCE OF THE MAGNETIC BALANCE CAUSES DYSFUNCTION OF THE CELLS, CAUSING DISEASES, PAIN, MENTAL OR EMOTIONAL PROBLEMS, INSOMNIA AND OTHER BODILY IMBALANCES".

THE EFFECTS OF MAGNETIC FIELD DEFICIENCY SYNDROME ARE CHARACTERIZED BY:

- RAPID FATIGUE
- SLEEPINESS
- GENERAL WEAKNESS
- NERVOUSNESS, EMOTIONAL LABILITY AND IRRITABILITY
- SLEEP DISTURBANCES, INSOMNIA
- ATTENTION DEFICIT
- ABSENT-MINDEDNESS, FORGETFULNESS
- GENERALISED MYOFASCIAL PAINS THROUGHOUT THE BODY
- TENSION IN THE SHOULDER, BACK, NECK AREA,
- STIFFNESS IN MOVEMENT,
- FREQUENT HEADACHES, HEAVINESS IN THE HEAD
- DIZZINESS
- LOSS OF APPETITE,
- HABITUAL CONSTIPATION,
- VISUAL DISTURBANCES
- REDUCED IMMUNITY, A TENDENCY TO FALL ILL FREQUENTLY.