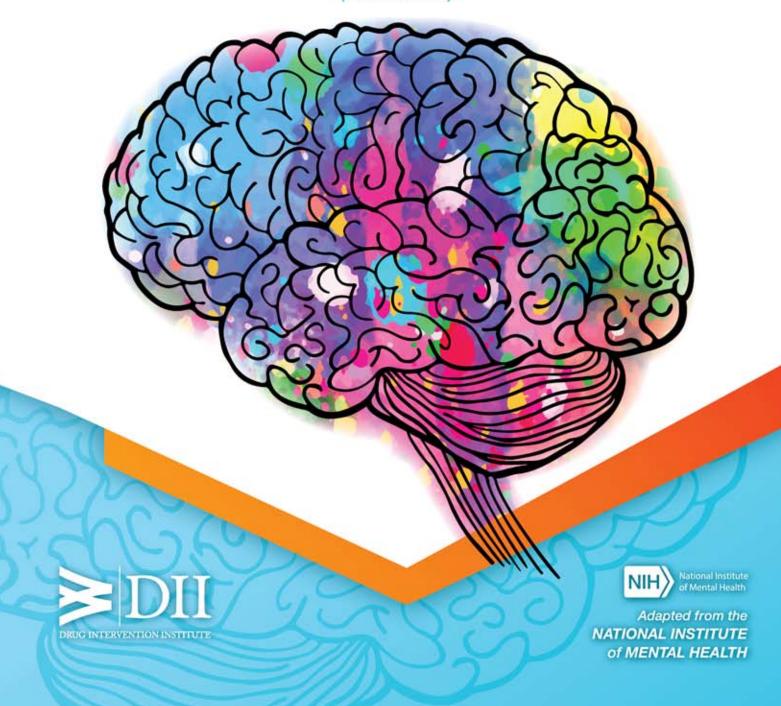
THE CREATIVE & HEALTHY BRAIN

COLORING & ACTIVITY BOOK

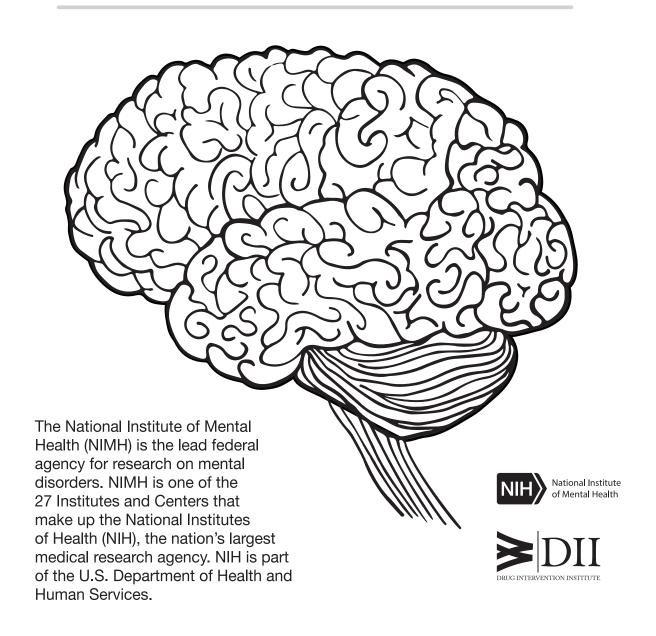
FOR GRADES 3RD-5TH (AGES 8-11)



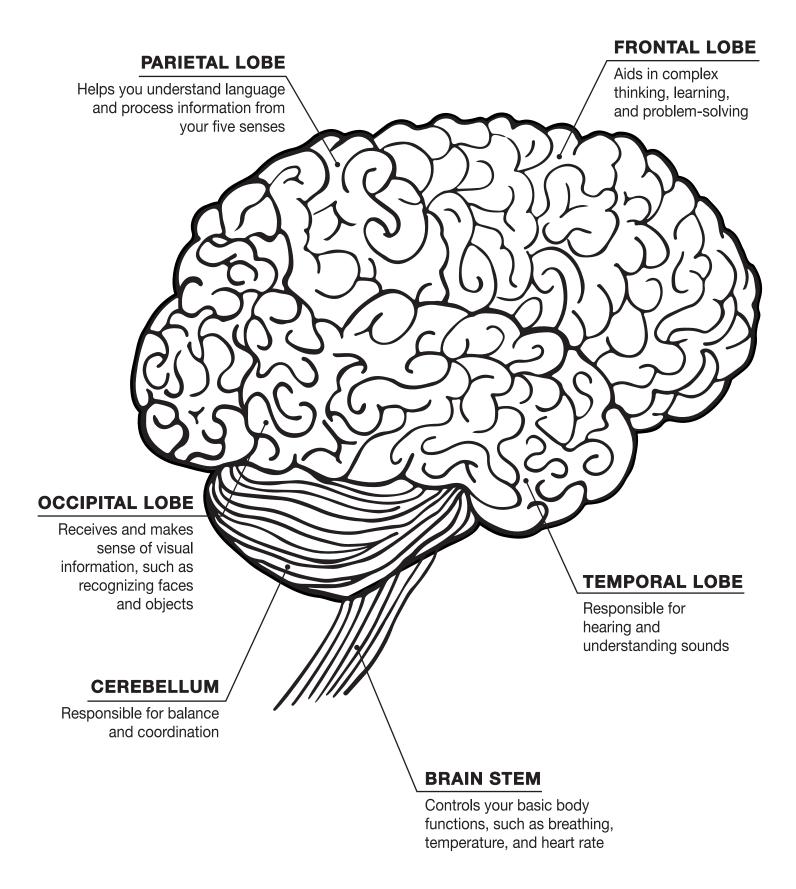
Adapted from the NATIONAL INSTITUTE of MENTAL HEALTH

THE CREATIVE & HEALTHY BRAIN

COLORING & ACTIVITY BOOK



PARTS OF THE BRAIN

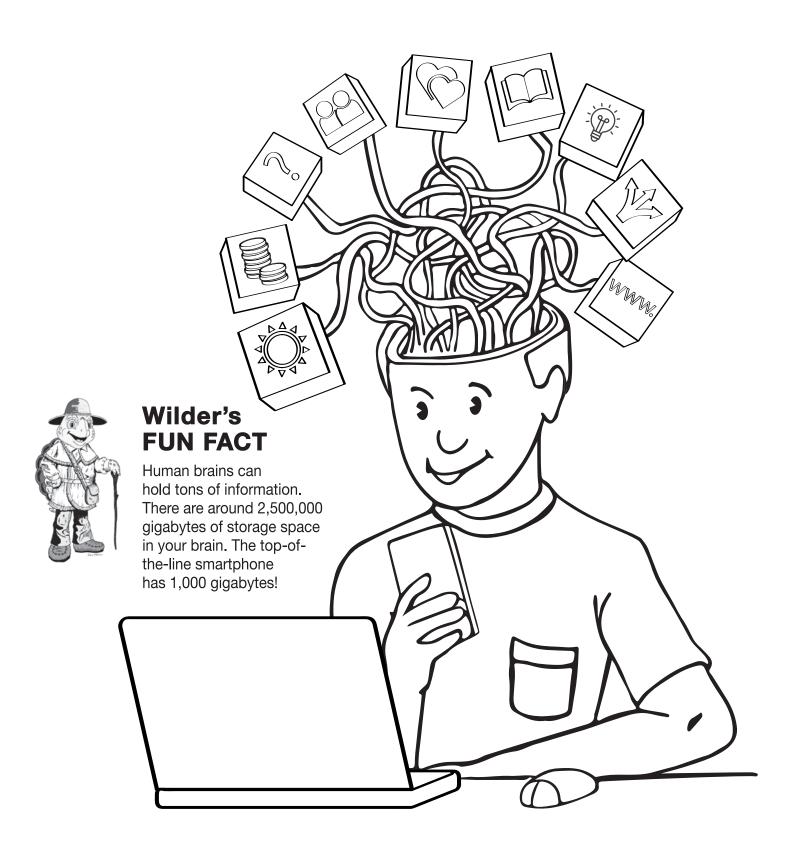


▶DII The Healthy Brain!

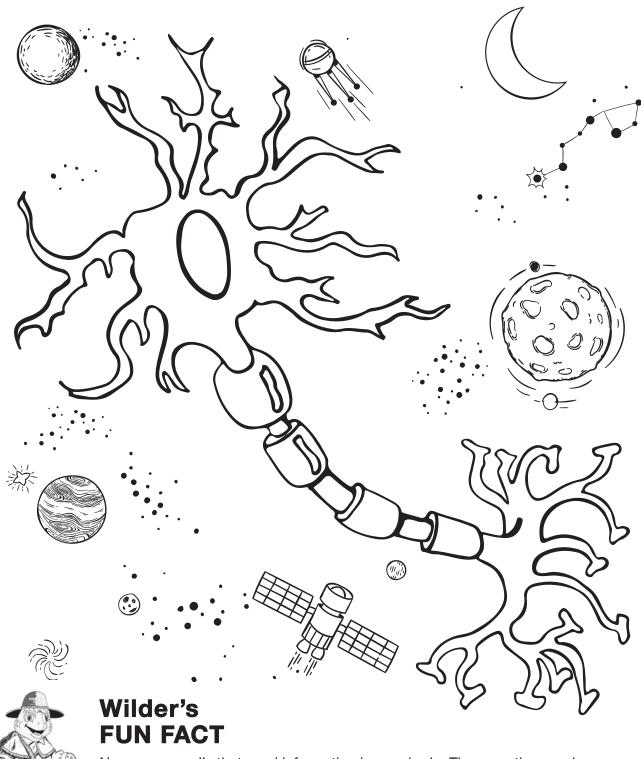
THE CEREBRAL CORTEX



YOUR BRAIN AND MEMORY

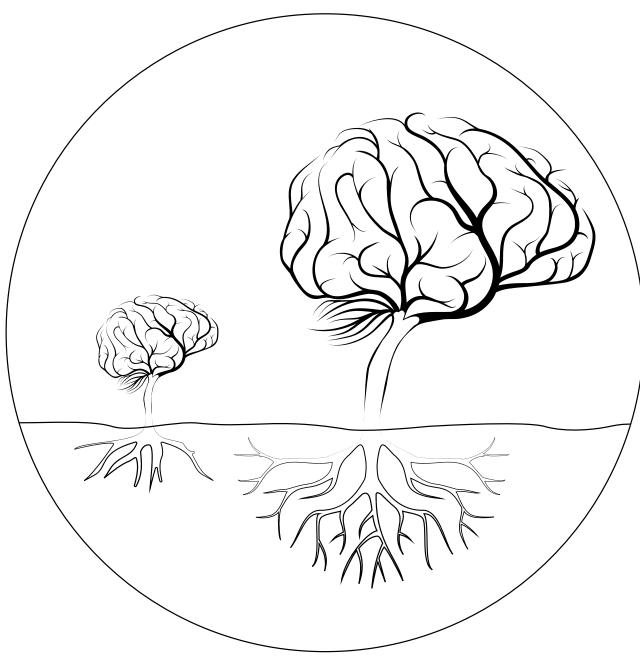


NEURONS IN THE BRAIN



Neurons are cells that send information in your brain. There are three main **types of neurons**: sensory **neurons**, motor **neurons**, and **interneurons**. All three have different roles and play an importantpart in communicating with the rest of the body. Your brain has about 100 billion neurons (that's 100,000,000,000!), which is about the same as the number of stars in the Milky Way galaxy.

BRAIN GROWTH

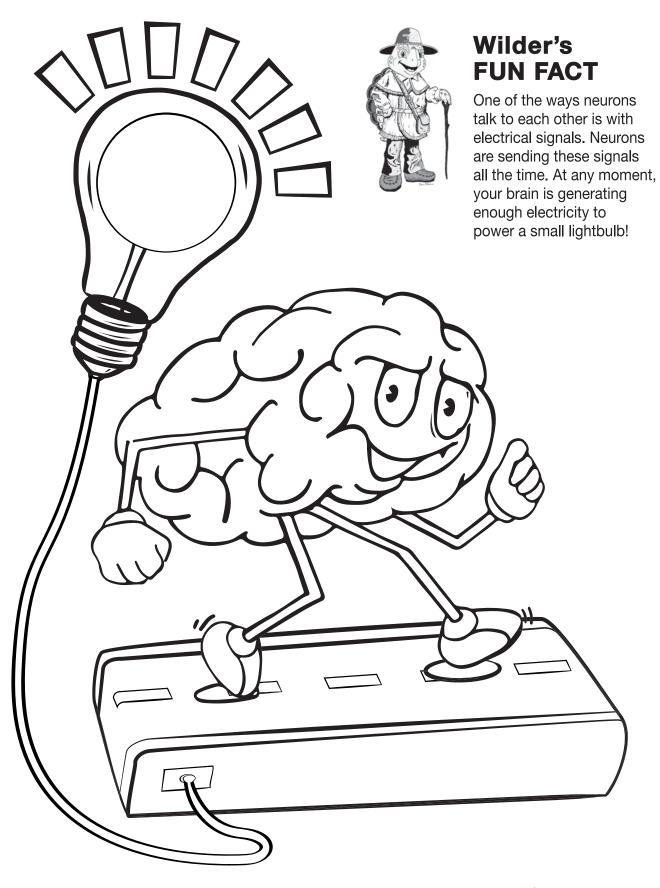




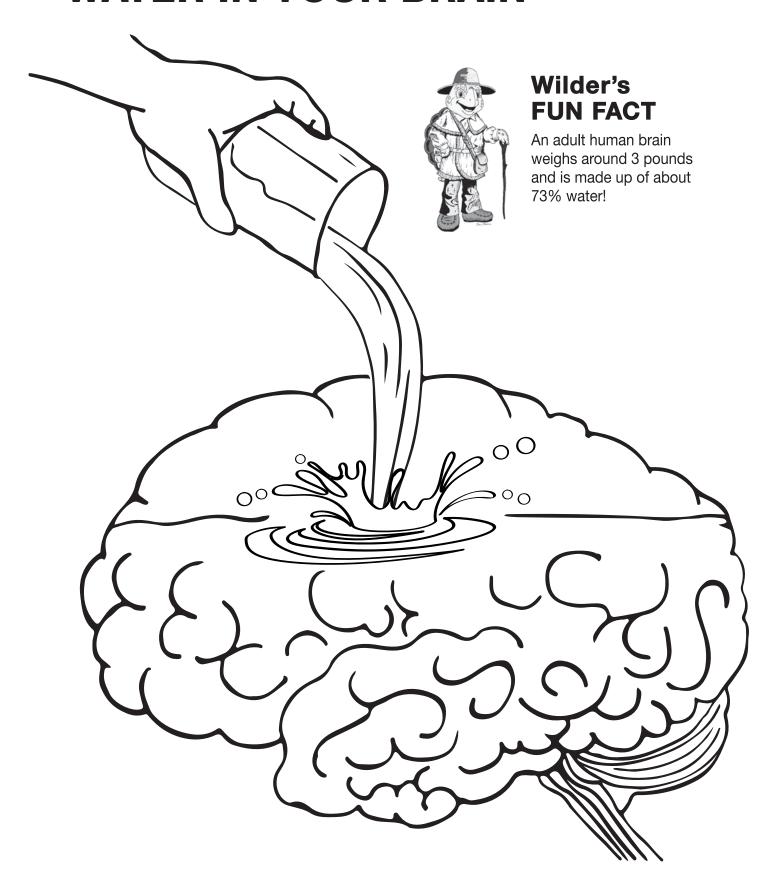
Wilder's FUN FACT

The human brain grows a lot between birth and the teenage years. Everyone's brain grows and matures at different rates. Our brains reach their largest size when we are between 11 and 14 years old. Of course, the size of your brain doesn't determine how smart you are!

BRAIN POWER



WATER IN YOUR BRAIN



TEST YOUR KNOWLEDGE OF COMMON MENTAL HEALTH DISORDERS AND TERMS

Use the word bank to solve the crossword clues below.

	1				
2					3
			4	5	
	6			7	
	8				
	WORD BANK				
	Anxiety	Neuroscience	Recover	Schizophrenia	
	Depression	Psychotherapy	Resilience	Treatment	

ACROSS

- 2. Another word for talk therapy, which can help people with a variety of mental disorders and emotional difficulties
- 4. A general word for getting medical care for a physical or mental illness
- 6. A mood disorder that causes people to feel extremely sad or hopeless
- 8. The field of study that researches how the brain works, diseases, and disorders

DOWN

- 1. A disorder that could make people see, hear, or believe things that are not really there
- 3. A general word that means to heal or get better
- 5. The ability to handle and recover from tough times or situations
- 7. A feeling of being really worried or fearful

ANSWERS CAN BE FOUND ON PAGE 12.

A CRYPTIC MESSAGE ABOUT THE BLOOD VESSELS IN YOUR BRAIN

Solve the math problems, then use the letters below your answers to decode the hidden message in the blanks below.

30 - 2	3 x 0	50 + 6	2 x 1	25 - 4	27 - 2	6 x 1	30 + 5	20 - 2	10 + 6	1 x 5	100 - 10	30 + 2
Α	В	С	D	Е	F	G	Н	I	J	K	L	М
3 x 1	15 + 9	60 - 3	1 x 1	50 - 10	2 x 2	60 + 6	8 + 4	40 + 20	2 x 7	25 - 5	50 - 20	90 - 9
N	0	Р	Q	R	S	Т	U	V	W	Х	Υ	Z

HIDDEN MESSAGE

							120,000
30	24	12 40 0	40 28 18 3	35 28 4	4 28 0	24 12 66	
32	18	90 21 4	24 25 0 90	24 24 2	2 60 21	4 4 21	90 4
18	25	30 24 12	90 28 18 2	24 12	66 28	90 90 66	35 21
	90	24 24 2	60 21 4 4 2	21 90 4	18 3	30 24 12	40
	40	28 18 3	21 3 2 66	24 21	3 2		 30
U	70	20 10 5	21 3 2 00	27 21	<i>3</i> 2	00 33 21 3	50
14	24	12 90 2	4 66 40 21 6	6 56 35	35 28	90 25 14 2	28 30
				_!			
66	24	66 35 21	32 24 24 3				

FASTER THAN A SPEEDING NEURON!

Unscramble the words below by rearranging the order of the letters. Then use those words to fill in the blanks in the paragraph below, and learn more about how fast the neurons in your brain work!

TROOM NAIRT
RUNNEOS SAGEMESS
LANGISS LIONSMIL
AFST LCMEHACI

There are	of	in your brain
that tell your whole body	what to do. These	neurons use electrical and
s	ignals to send billio	ons of
every day that help you	think, feel, and do a	amazing things.
They send information to	and from your bra	ain at more than 150 miles
per hour, which is as fas	t as a	But if you need to
act quickly,	neurons o	can send
at more than 200 miles p	per hour. That's	!

ALL ABOUT THE BRAIN

Search up, down, forward, backward, and diagonally to find the hidden words. Put your brain to the test, and see how many you can find!

J	В	Т	N	G	Z	0	Т	Е	Н	V	Χ	S	Х	S
С	Q	R	Α	C	N	0	C	Χ	C	S	L	Е	R	Р
В	K	Е	Ο	S	U	1	U	С	S	N	Т	В	U	К
W	M	S	W	C	Т	V	K	Е	1	R	Α	M	М	L
Q	С	Е	Н	Е	Q	Е	Р	N	0	Р	В	L	Α	С
Р	R	Α	J	U	L	Χ	Е	C	1	Q	I	N	Α	Т
С	Е	R	Е	В	Е	L	L	U	M	Н	G	Т	L	В
Р	N	C	В	R	Α	I	N	U	Н	U	Т	Α	Α	н
Q	V	Н	В	Q	С	J	C	Е	Α	Z	R	N	Т	L
G	N	1	R	Α	Е	Н	Z	G	S	Ο	В	Е	Е	Α
С	R	0	I	V	Α	Н	Е	В	Р	S	Т	U	I	Т
E	М	0	Т	I	0	N	S	М	L	М	Р	R	R	N
E	В	0	L	G	Z	Н	Е	Р	S	Е	Α	0	Α	0
w	Α	Z	Р	G	W	Т	Χ	Χ	N	L	Т	N	Р	R
G	В	Р	Е	J	S	X	V	С	W	L	R	S	В	F

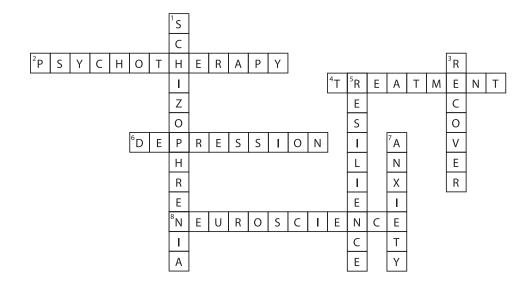
BALANCE BEHAVIOR BRAIN EMOTIONS CEREBELLUM CORTEX FRONTAL **HEARING LANGUAGE** LOBE **NEURONS OCCIPITAL PARIETAL** RESEARCH **SMELL TASTE TEMPORAL THINKING TOUCH WELLNESS**

ANSWERS CAN BE FOUND ON PAGE 12.

≽DII The Healthy Brain!

ANSWERS TO ACTIVITY PUZZLES

ANSWERS TO "TEST YOUR KNOWLEDGE OF COMMON MENTAL HEALTH DISORDERS AND TERMS"



ACROSS

- 2. PSYCHOTHERAPY
- 4. TREATMENT
- 6 DEPRESSION
- 8. NEUROSCIENCE

DOWN

- 1. SCHIZOPHRENIA
- 3. RECOVER
- 5. RESILIENCE
- 7. ANXIETY

ANSWERS TO "ALL ABOUT THE BRAIN"

J	В	T	N	G	Z	(i)	$\overline{\bigcirc}$	E		٧	Х		\overline{X}	S
C	Q	R	A	$\langle c \rangle$	N	$\langle \circ \rangle$	$\langle c \rangle$	X	$\binom{c}{}$	S	L/	E	R	Р
В	K	Е	0	\ <u>5</u>	$\langle \mathbb{U} \rangle$	$\langle \rangle$	U	\c\	5	N	<t <="" th=""><th>В</th><th>U</th><th>К</th></t>	В	U	К
W	М	S	W	$\langle c \rangle$	₹ T	V	K	E		$\langle R \rangle$	A	M	М	
Q	C	Е	H	E	Q	E	P	N	$\langle \circ \rangle$	P	В	Ĺ	A	/c
P	R	А	J	U	L	X	Е	(c)	$\langle \rangle$	Q	\bigcirc	$\langle N \rangle$	A	_T
C	Е	R	E	В	E	L	L	U	M	H	G	T		$ \mathcal{B} $
P	N	С	В	R	Α		N	V	Н	U	T	A	*(A)	Ч
Q	V	\mathbb{H}	В	Q	С	J	c	E	A	/z/	R		7	
G	N	I	R	Α	Е	Н	Z	G	\ 5	\ _	В	E	E	A
С	R	0	I	V	Α	Н	E	B	P		Т	U		
E	М	0	Т	I	0	N	S	M	L	М	Р	R	R	N
E	В	0	L	G	Z	Н	E	P	S	E	Α	0	A	$ \circ $
W	Α	Z	Р	G	W	T	X	Χ	N	L	Т	N	$\left[P \right]$	R
G	В	Р	E	J	S	X	V	С	W		R	<u>S</u>	В	F

ANSWERS TO "A CRYPTIC MESSAGE ABOUT THE BLOOD VESSELS IN YOUR BRAIN"

30 - 2	3 x 0	50 + 6	2 x 1	25 - 4	27 - 2	6 x 1	30 + 5	20 - 2	10 + 6	1 x 5	100-10	30 + 2
28	0	56	2	21	25	6	35	18	16	5	90	32
А	В	С	D	Е	F	G	Н	I	J	K	L	М

3	3 x 1	15 + 9	60 - 3	1 x 1	50 - 10	2 x 2	60 + 6	8 + 4	40 + 20	2 x 7	25 - 5	50 - 20	90 - 9
	3	24	57	1	40	4	66	12	60	14	20	30	81
	N	0	Р	Q	R	S	Т	U	V	W	Х	Υ	Z

ANSWERS TO "HIDDEN MESSAGE"

ANSWERS TO "FASTER THAN A SPEEDING NEURON!" Unscrambled words

There are *MILLIONS* of *NEURONS* in your brain that tell your whole body what to do. These neurons use electrical and *CHEMICAL* signals to send billions of *MESSAGES* every day that help you think, feel, and do amazing things. They send information to and from your brain at more than 150 miles per hour, which is as fast as a *TRAIN*. But if you need to act quickly, **motor** neurons can send *SIGNALS* at more than 200 miles per hour. That's *FAST!*

MOTOR
NEURONS
SIGNALS
FAST
TRAIN
MESSAGES
CHEMICAL
MILLIONS



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES National Institutes of Health NIH Publication No. 23-MH-8117

For more information about mental health, visit the NIMH website at www.nimh.nih.gov. For information on a wide variety of health topics, visit the National Library of Medicine's MedlinePlus service at https://medlineplus.gov.

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