

BIOMEDICAL RESEARCH AND DEVELOPMENT PRICE INDEX

Fiscal Year Basis
(Updated January 2023)

REFERENCE FISCAL YEAR = 100

Fiscal Year	Annual Change	1950	1960	1970	1980	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
1950		100.0	76.8	53.6	26.4	14.5	11.9	10.2	8.6	8.2	7.9	7.6	7.3	7.1	6.9	6.8	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.8	5.6	5.4
1951	6.4%	106.4	81.8	57.1	28.1	15.4	12.7	10.9	9.1	8.7	8.4	8.0	7.8	7.6	7.4	7.3	7.1	7.0	6.9	6.7	6.5	6.4	6.2	6.1	6.0	5.7
1952	3.0%	109.6	84.2	58.8	29.0	15.9	13.1	11.2	9.4	9.0	8.7	8.3	8.0	7.8	7.6	7.5	7.4	7.2	7.1	6.9	6.7	6.6	6.4	6.3	6.2	5.9
1953	1.9%	111.7	85.8	59.9	29.5	16.2	13.3	11.4	9.6	9.2	8.8	8.4	8.2	8.0	7.7	7.6	7.5	7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.3	6.0
1954	1.1%	113.0	86.8	60.6	29.8	16.4	13.5	11.6	9.7	9.3	8.9	8.5	8.3	8.0	7.8	7.7	7.6	7.4	7.3	7.1	6.9	6.8	6.6	6.5	6.4	6.1
1955	1.4%	114.6	88.0	61.5	30.3	16.6	13.7	11.7	9.8	9.4	9.1	8.7	8.4	8.2	7.9	7.8	7.7	7.5	7.4	7.2	7.0	6.9	6.7	6.6	6.5	6.2
1956	2.8%	117.8	90.5	63.2	31.1	17.1	14.0	12.0	10.1	9.7	9.3	8.9	8.6	8.4	8.2	8.1	7.9	7.7	7.6	7.4	7.2	7.1	6.9	6.8	6.6	6.3
1957	3.7%	122.1	93.8	65.5	32.3	17.7	14.6	12.5	10.5	10.0	9.7	9.2	9.0	8.7	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.3	7.2	7.0	6.9	6.6
1958	2.4%	125.1	96.1	67.1	33.0	18.1	14.9	12.8	10.7	10.3	9.9	9.5	9.2	8.9	8.7	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.2	7.0	6.7
1959	2.0%	127.5	98.0	68.4	33.7	18.5	15.2	13.0	11.0	10.5	10.1	9.6	9.4	9.1	8.8	8.7	8.6	8.4	8.2	8.0	7.8	7.6	7.5	7.4	7.2	6.9
1960	2.1%	130.2	100.0	69.8	34.4	18.9	15.5	13.3	11.2	10.7	10.3	9.8	9.6	9.3	9.0	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.6	7.5	7.3	7.0
1961	2.1%	133.0	102.1	71.3	35.1	19.3	15.9	13.6	11.4	10.9	10.5	10.0	9.8	9.5	9.2	9.1	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.7	7.5	7.2
1962	2.3%	136.0	104.5	72.9	35.9	19.7	16.2	13.9	11.7	11.2	10.8	10.3	10.0	9.7	9.4	9.3	9.1	8.9	8.8	8.6	8.4	8.2	8.0	7.8	7.7	7.3
1963	2.7%	139.7	107.3	74.9	36.9	20.3	16.7	14.3	12.0	11.5	11.1	10.6	10.3	10.0	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.1	7.9	7.5
1964	2.2%	142.8	109.7	76.6	37.7	20.7	17.0	14.6	12.3	11.7	11.3	10.8	10.5	10.2	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.7
1965	3.0%	147.0	112.9	78.8	38.8	21.3	17.5	15.0	12.6	12.1	11.6	11.1	10.8	10.5	10.2	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.6	8.5	8.3	7.9
1966	3.6%	152.3	117.0	81.7	40.2	22.1	18.2	15.6	13.1	12.5	12.0	11.5	11.2	10.9	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.9	8.8	8.6	8.2
1967	4.4%	159.0	122.2	85.3	42.0	23.1	19.0	16.3	13.7	13.1	12.6	12.0	11.7	11.3	11.0	10.9	10.7	10.5	10.2	10.0	9.8	9.5	9.3	9.2	9.0	8.6
1968	4.7%	166.6	128.0	89.3	44.0	24.2	19.9	17.0	14.3	13.7	13.2	12.6	12.2	11.9	11.5	11.4	11.2	10.9	10.7	10.5	10.2	10.0	9.8	9.6	9.4	9.0
1969	5.4%	175.5	134.8	94.1	46.3	25.5	20.9	17.9	15.1	14.4	13.9	13.3	12.9	12.5	12.2	12.0	11.8	11.5	11.3	11.1	10.8	10.5	10.3	10.1	9.9	9.5
1970	6.3%	186.5	143.3	100.0	49.3	27.1	22.2	19.1	16.0	15.3	14.7	14.1	13.7	13.3	12.9	12.8	12.5	12.3	12.0	11.8	11.5	11.2	10.9	10.8	10.5	10.0
1971	5.8%	197.3	151.6	105.8	52.1	28.6	23.5	20.2	16.9	16.2	15.6	14.9	14.5	14.1	13.7	13.5	13.2	13.0	12.7	12.4	12.1	11.8	11.6	11.4	11.1	10.6
1972	5.0%	207.1	159.1	111.1	54.7	30.1	24.7	21.2	17.8	17.0	16.4	15.6	15.2	14.8	14.3	14.2	13.9	13.6	13.3	13.1	12.7	12.4	12.2	11.9	11.7	11.2
1973	4.8%	217.0	166.7	116.4	57.3	31.5	25.9	22.2	18.6	17.8	17.2	16.4	15.9	15.5	15.0	14.8	14.6	14.3	14.0	13.7	13.3	13.0	12.7	12.5	12.2	11.7
1974	6.4%	230.8	177.3	123.8	61.0	33.5	27.5	23.6	19.8	19.0	18.3	17.4	16.9	16.4	16.0	15.8	15.5	15.2	14.9	14.6	14.2	13.8	13.5	13.3	13.0	12.4
1975	10.7%	255.5	196.3	137.0	67.5	37.1	30.5	26.1	21.9	21.0	20.2	19.3	18.8	18.2	17.7	17.5	17.2	16.8	16.5	16.1	15.7	15.3	15.0	14.7	14.4	13.8
1976	7.5%	274.6	210.9	147.2	72.5	39.8	32.8	28.1	23.6	22.5	21.7	20.7	20.2	19.6	19.0	18.8	18.4	18.0	17.7	17.3	16.9	16.5	16.1	15.8	15.5	14.8
1977	8.0%	296.5	227.7	159.0	78.3	43.0	35.4	30.3	25.5	24.3	23.4	22.4	21.8	21.1	20.5	20.3	19.9	19.5	19.1	18.7	18.2	17.8	17.4	17.1	16.7	16.0
1978	7.4%	318.4	244.6	170.7	84.1	46.2	38.0	32.6	27.3	26.1	25.2	24.1	23.4	22.7	22.1	21.8	21.4	20.9	20.5	20.1	19.6	19.1	18.7	18.4	17.9	17.1
1979	8.3%	344.9	264.9	184.9	91.1	50.0	41.1	35.3	29.6	28.3	27.3	26.1	25.3	24.6	23.9	23.6	23.1	22.7	22.2	21.7	21.2	20.7	20.2	19.9	19.4	18.6
1980	9.8%	378.7	290.9	203.0	100.0	54.9	45.2	38.7	32.5	31.1	29.9	28.6	27.8	27.0	26.2	25.9	25.4	24.9	24.4	23.9	23.3	22.7	22.2	21.8	21.3	20.4
1981	10.4%	418.0	321.1	224.2	110.4	60.7	49.9	42.8	35.9	34.3	33.1	31.6	30.7	29.8	29.0	28.6	28.1	27.5	26.9	26.3	25.7	25.1	24.5	24.1	23.5	22.5
1982	8.6%	454.0	348.7	243.4	119.9	65.9	54.2	46.4	39.0	37.3	35.9	34.3	33.3	32.3	31.4	31.0	30.5	29.8	29.2	28.6	27.9	27.2	26.6	26.2	25.6	24.4
1983	6.2%	482.1	370.3	258.5	127.3	70.0	57.5	49.3	41.4	39.6	38.1	36.4	35.4	34.3	33.4	33.0	32.4	31.7	31.1	30.4	29.6	28.9	28.3	27.8	27.1	26.0
1984	5.9%	510.6	392.2	273.8	134.8	74.1	60.9	52.2	43.9	41.9	40.4	38.6	37.5	36.4	35.4	34.9	34.3	33.6	32.9	32.2	31.4	30.6	30.0	29.5	28.7	27.5
1985	5.6%	539.2	414.2	289.1	142.4	78.2	64.3	55.1	46.3	44.3	42.6	40.7	39.6	38.4	37.3	36.9	36.2	35.4	34.7	34.0	33.1	32.3	31.6	31.1	30.3	29.0
1986	4.2%	561.8	431.5	301.2	148.4	81.5	67.0	57.5	48.3	46.1	44.4	42.4	41.2	40.0	38.9	38.4	37.7	36.9	36.2	35.4	34.5	33.7	33.0	32.4	31.6	30.3
1987	5.3%	591.7	454.5	317.3	156.3	85.9	70.6	60.5	50.8	48.6	46.8	44.7	43.4	42.2	41.0	40.5	39.7	38.9	38.1	37.3	36.4	35.5	34.7	34.1	33.3	31.9
1988	5.0%	621.4	477.3	333.2	164.1	90.2	74.1	63.6	53.4	51.0	49.1	47.0	45.6	44.3	43.0	42.5	41.7	40.8	40.0	39.2	38.2	37.2	36.5	35.8	35.0	33.5
1989	5.2%	653.7	502.1	350.5	172.6	94.9	78.0	66.9	56.1	53.7	51.7	49.4	48.0	46.6	45.3	44.7	43.9	43.0	42.1	41.2	40.2	39.2	38.4	37.7	36.8	35.2
1990	5.4%	689.2	529.4	369.6	182.0	100.0	82.2	70.5	59.2	56.6	54.5	52.1	50.6	49.1	47.7	47.1	46.3	45.3	44.4	43.4	42.3	41.3	40.5	39.8	38.8	37.1
1991	4.8%	722.4	554.9	387.4	190.8	104.8	86.2	73.9	62.1	59.3	57.1	54.6	53.0	51.5	50.0	49.4	48.5	47.5	46.5	45.5	44.4	43.3	42.4	41.7	40.7	38.9
1992	4.4%	754.3	579.4	404.5	199.2	109.4	90.0	77.1	64.8	61.9	59.7	57.0	55.4	53.7	52.2	51.6	50.6	49.6	48.6	47.5	46.3	45.2	44.3	43.5	42.5	40.6
1993	3.4%	780.1	599.2	418.3	206.0	113.2	93.1	79.8	67.0	64.0	61.7	58.9	57.3	55.6	54.0	53.3	52.4	51.3	50.2	49.2	47.9	46.8	45.8	45.0	43.9	42.0
1994	3.9%	810.3	622.4	434.5	214.0	117.6	96.7	82.9	69.6	66.5	64.1	61.2	59.5	57.7	56.1	55.4	54.4	53.2	52.2	51.1	49.8	48.6	47.6	46.7	45.6	43.6
1995	3.5%	838.4	644.0	449.5	221.4	121.6	100.0	85.7	72.0	68.8	66.3	63.3	61.5	59.7	58.1	57.3	56.3	55.1	54.0	52.8	51.5	50.3	49.2	48.4	47.2	45.1
1996	2.6%	859.8	660.4	461.0	227.1	124.8	102.6	87.9	73.9	70.6	68.0	65.0	63.1	61.3	59.5	58.8	57.7	56.5	55.4	54.2	52.8	51.5	50.5	49.6	48.4	46.3
1997	2.8%	883.7	678.8	473.9	233.4	128.2	105.4	90.4	75.9	72.5	69.9	66.8	64.9	63.0	61.2	60.4	59.3	58.1	56.9	55.7	54.3	53.0	51.9	51.0	49.7	47.6
1998	3.4%	913.7	701.8	489.9	241.3	132.6	109.0	93.4	78.5	75.0	72.3	69.0	67.1	65.1	63.3	62.5	61.3	60.0								

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Fiscal Year	Annual Change	1950	1960	1970	1980	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
2000	3.7%	977.7	751.0	524.3	258.2	141.9	116.6	100.0	84.0	80.3	77.3	73.9	71.8	69.7	67.7	66.9	65.6	64.2	63.0	61.6	60.1	58.6	57.4	56.4	55.0	52.6
2001	3.3%	1010.2	776.0	541.7	266.8	146.6	120.5	103.3	86.8	82.9	79.9	76.3	74.2	72.0	70.0	69.1	67.8	66.4	65.1	63.7	62.1	60.6	59.3	58.3	56.9	54.4
2002	3.3%	1043.7	801.7	559.7	275.6	151.4	124.5	106.7	89.6	85.7	82.5	78.9	76.6	74.4	72.3	71.4	70.1	68.6	67.2	65.8	64.1	62.6	61.3	60.2	58.7	56.2
2003	3.5%	1080.4	829.9	579.3	285.3	156.8	128.9	110.5	92.8	88.7	85.4	81.6	79.3	77.0	74.8	73.9	72.5	71.0	69.6	68.1	66.4	64.8	63.4	62.3	60.8	58.2
2004	3.7%	1120.6	860.8	600.9	296.0	162.6	133.7	114.6	96.3	92.0	88.6	84.7	82.3	79.8	77.6	76.6	75.2	73.6	72.2	70.6	68.8	67.2	65.8	64.7	63.1	60.3
2005	3.9%	1164.2	894.3	624.3	307.5	168.9	138.9	119.1	100.0	95.6	92.1	88.0	85.5	82.9	80.6	79.6	78.1	76.5	75.0	73.4	71.5	69.8	68.3	67.2	65.5	62.7
2006	4.6%	1218.1	935.7	653.2	321.7	176.8	145.3	124.6	104.6	100.0	96.3	92.0	89.4	86.8	84.4	83.3	81.8	80.0	78.5	76.8	74.8	73.0	71.5	70.3	68.6	65.6
2007	3.8%	1264.4	971.2	678.0	333.9	183.5	150.8	129.3	108.6	103.8	100.0	95.5	92.8	90.1	87.6	86.5	84.9	83.1	81.4	79.7	77.7	75.8	74.2	72.9	71.2	68.1
2008	4.7%	1323.5	1016.7	709.7	349.5	192.0	157.9	135.4	113.7	108.7	104.7	100.0	97.2	94.3	91.7	90.5	88.8	87.0	85.2	83.4	81.3	79.3	77.7	76.4	74.5	71.3
2009	2.9%	1362.3	1046.4	730.5	359.8	197.7	162.5	139.3	117.0	111.8	107.7	102.9	100.0	97.0	94.3	93.2	91.4	89.5	87.7	85.9	83.7	81.7	80.0	78.6	76.7	73.4
2010	3.0%	1403.7	1078.2	752.7	370.7	203.7	167.4	143.6	120.6	115.2	111.0	106.1	103.0	100.0	97.2	96.0	94.2	92.2	90.4	88.5	86.2	84.1	82.4	81.0	79.0	75.6
2011	2.9%	1443.9	1109.1	774.2	381.3	209.5	172.2	147.7	124.0	118.5	114.2	109.1	106.0	102.9	100.0	98.7	96.9	94.9	93.0	91.0	88.7	86.5	84.8	83.3	81.3	77.7
2012	1.3%	1462.4	1123.3	784.1	386.2	212.2	174.4	149.6	125.6	120.0	115.7	110.5	107.3	104.2	101.3	100.0	98.2	96.1	94.2	92.2	89.8	87.7	85.8	84.4	82.3	78.7
2013	1.9%	1489.8	1144.3	798.8	393.4	216.2	177.7	152.4	128.0	122.3	117.8	112.6	109.4	106.1	103.2	101.9	100.0	97.9	95.9	93.9	91.5	89.3	87.4	85.9	83.9	80.2
2014	2.1%	1521.8	1168.9	816.0	401.9	220.8	181.5	155.6	130.7	124.9	120.4	115.0	111.7	108.4	105.4	104.1	102.1	100.0	98.0	95.9	93.5	91.2	89.3	87.8	85.7	81.9
2015	2.0%	1552.7	1192.7	832.6	410.1	225.3	185.2	158.8	133.4	127.5	122.8	117.3	114.0	110.6	107.5	106.2	104.2	102.0	100.0	97.9	95.4	93.1	91.1	89.6	87.4	83.6
2016	2.2%	1586.5	1218.6	850.7	419.0	230.2	189.2	162.3	136.3	130.2	125.5	119.9	116.5	113.0	109.9	108.5	106.5	104.3	102.2	100.0	97.5	95.1	93.1	91.5	89.3	85.4
2017	2.6%	1627.7	1250.3	872.8	429.9	236.2	194.2	166.5	139.8	133.6	128.7	123.0	119.5	116.0	112.7	111.3	109.3	107.0	104.8	102.6	100.0	97.6	95.5	93.9	91.6	87.6
2018	2.5%	1668.3	1281.5	894.6	440.6	242.1	199.0	170.6	143.3	137.0	132.0	126.1	122.5	118.9	115.5	114.1	112.0	109.6	107.4	105.2	102.5	100.0	97.9	96.2	93.9	89.8
2019	2.1%	1703.6	1308.6	913.5	449.9	247.2	203.2	174.2	146.3	139.9	134.7	128.7	125.1	121.4	118.0	116.5	114.4	111.9	109.7	107.4	104.7	102.1	100.0	98.3	95.9	91.7
2020	1.7%	1733.4	1331.5	929.5	457.8	251.5	206.8	177.3	148.9	142.3	137.1	131.0	127.2	123.5	120.1	118.5	116.4	113.9	111.6	109.3	106.5	103.9	101.7	100.0	97.6	93.3
2021	2.5%	1776.7	1364.7	952.7	469.2	257.8	211.9	181.7	152.6	145.8	140.5	134.2	130.4	126.6	123.0	121.5	119.3	116.7	114.4	112.0	109.1	106.5	104.3	102.5	100.0	95.7
2022pr	4.5%	1857.1	1426.5	995.8	490.5	269.5	221.5	189.9	159.5	152.5	146.9	140.3	136.3	132.3	128.6	127.0	124.7	122.0	119.6	117.1	114.1	111.3	109.0	107.1	104.5	100.0
2023p	4.1%	1933.7	1485.3	1036.9	510.7	280.6	230.7	197.8	166.1	158.7	152.9	146.1	141.9	137.8	133.9	132.2	129.8	127.1	124.5	121.9	118.8	115.9	113.5	111.6	108.8	104.1
2024p	3.1%	1994.5	1532.0	1069.5	526.7	289.4	237.9	204.0	171.3	163.7	157.7	150.7	146.4	142.1	138.1	136.4	133.9	131.1	128.5	125.7	122.5	119.6	117.1	115.1	112.3	107.4
2025p	2.5%	2043.9	1570.0	1096.0	539.8	296.6	243.8	209.0	175.6	167.8	161.7	154.4	150.0	145.6	141.6	139.8	137.2	134.3	131.6	128.8	125.6	122.5	120.0	117.9	115.0	110.1
2026p	2.4%	2093.0	1607.7	1122.3	552.7	303.7	249.7	214.1	179.8	171.8	165.5	158.1	153.6	149.1	145.0	143.1	140.5	137.5	134.8	131.9	128.6	125.5	122.9	120.7	117.8	112.7
2027p	2.4%	2143.2	1646.3	1149.2	566.0	311.0	255.6	219.2	184.1	175.9	169.5	161.9	157.3	152.7	148.4	146.6	143.9	140.8	138.0	135.1	131.7	128.5	125.8	123.6	120.6	115.4
2028p	2.4%	2194.6	1685.8	1176.8	579.6	318.4	261.8	224.5	188.5	180.2	173.6	165.8	161.1	156.3	152.0	150.1	147.3	144.2	141.3	138.3	134.8	131.5	128.8	126.6	123.5	118.2

TABLE NOTES

pr = preliminary
p = projected

NOTE: Projected values of the BRDPI account for OMB projections of inflation and the historical relationship between the aggregate rate of inflation and changes in the BRDPI.

FYs 2023–2028 projections are based on OMB's GDP Price Index assumptions as of early December 2022 and data from Bureau of Economic Analysis (BEA, Department of Commerce), National Income and Product Accounts, Table 1.1.4 web page (<https://www.bea.gov/>), released December 22, 2022.

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Contact: Deepshikha RoyChowdhury, PhD
National Institutes of Health
OD/OER
6705 Rockledge Drive, 7th Floor, Room 703-A
BETHESDA MD 20817
roychowdhuryd@nih.gov