



RHODE ISLAND IMMUNIZATIONS: Trends & Goals, (2012-present)

Category	Vaccine	2012 (2012-13) ^a	2013 (2013-14) ^a	2014 (2014-15) ^a	2015 (2015-16) ^a	2016 (2016-17) ^a	2017 (2017-18) ^a	2018 (2018-19) ^a	HP2020 Goal	RI Program Goal	Data Source
Childhood Vaccination Coverage: % of Children 19-35 months of age who received:											
19-35 months of age	4+ DTaP	89.0	91.6	88.8	90.5	88.7	89.2	NA	90	90	NIS-Child
19-35 months of age	3+ Polio	98.4	96.9	97.5	97.2	96.1	97.3	NA	90	90	NIS-Child
19-35 months of age	1+ MMR	94.3	95.6	94.6	94.5	95.4	95.3	NA	90	90	NIS-Child
19-35 months of age	Hib Full Series [^]	84.4	89.6	89.5	85.2	86.6	84.1	NA	90	90	NIS-Child
19-35 months of age	3+ HepB	96.3	96.7	95.8	96.2	94.1	96.9	NA	90	90	NIS-Child
19-35 months of age	1+ Varicella	93.5	97.3	93.9	95.1	95.1	94.6	NA	90	90	NIS-Child
19-35 months of age	4+ PCV	87.4	93.0	88.9	90.4	89.5	89.2	NA	90	90	NIS-Child
19-35 months of age	4:3:1:3:3:1:4 ^{^^}	72.5	82.1	75.6	77.2	75.5	74.4	NA	80	80	NIS-Child
19-35 months of age	2+ Hep A	57.3	60.9	63.9	65.1	70.2	69.0	NA	85	85	NIS-Child
19-35 months of age	2+ RV	79.8	84.4	88.8	87.6	88.7	85.1	NA	80	90	NIS-Child
Childhood Vaccination Coverage: % of Children who received each vaccine by 24 months of (or other) age^b:											
24 months of age	4+ DTaP	NA	NA	NA	NA	NA	NA	84.3	N/A	N/A	NIS-Child
24 months of age	3+ Polio	NA	NA	NA	NA	NA	NA	96.8	N/A	N/A	NIS-Child
24 months of age	1+ MMR	NA	NA	NA	NA	NA	NA	94.9	N/A	N/A	NIS-Child
24 months of age	Hib Full Series [^]	NA	NA	NA	NA	NA	NA	82.9	N/A	N/A	NIS-Child
24 months of age	3+ HepB	NA	NA	NA	NA	NA	NA	96.6	N/A	N/A	NIS-Child
24 months of age	1+ Varicella	NA	NA	NA	NA	NA	NA	94.2	N/A	N/A	NIS-Child
24 months of age	4+ PCV	NA	NA	NA	NA	NA	NA	91.3	N/A	N/A	NIS-Child
24 months of age	4:3:1:3:3:1:4 ^{^^}	NA	NA	NA	NA	NA	NA	70.7	N/A	N/A	NIS-Child
35 months of age	2+ Hep A	NA	NA	NA	NA	NA	NA	82.3	N/A	N/A	NIS-Child
8 months of age	2+ RV	NA	NA	NA	NA	NA	NA	85.7	N/A	N/A	NIS-Child
24 months of age	2+ Flu	NA	NA	NA	NA	NA	NA	78.1	N/A	N/A	NIS-Child
Kindergarten Vaccination Coverage: % of Children entering Kindergarten^{***} who received:											
Entering Kindergarten	5+ DTaP	95.2	96.0	96.1	96.8	95.5	96.2	97.4	95	95	RIDOH
Entering Kindergarten	4+ Polio	95.6	96.1	96.2	97.0	95.8	96.3	97.6	95	95	RIDOH
Entering Kindergarten	2+ MMR	94.3	95.1	95.6	96.4	95.1	96.4	97.4	95	95	RIDOH
Entering Kindergarten	3+ HepB	98.0	98.1	97.7	98.1	97.6	97.6	98.3	95	95	RIDOH
Entering Kindergarten	2+ Varicella/Disease History	94.3	94.7	95.4	96.0	94.8	96.0	97.0	95	95	RIDOH
Entering Kindergarten	All required vaccines	92.0	92.6	93.4	94.6	93.0	94.6	95.8	N/A	95	RIDOH
7th Grade Vaccination Coverage: % of Students entering 7th grade^{***} who received:											
Entering 7th Grade	3+ HepB	98.6	99.4	98.8	98.7	98.8	98.6	97.7	N/A	95	RIDOH
Entering 7th Grade	2+ MMR	98.5	99.4	98.9	98.7	98.9	98.7	97.3	N/A	95	RIDOH
Entering 7th Grade	4+ Polio	98.6	99.5	98.9	98.8	99.1	98.9	97.6	N/A	95	RIDOH
Entering 7th Grade	1+ Tdap	77.2	80.1	80.2	86.4	85.9	89.2	89.7	N/A	90	RIDOH
Entering 7th Grade	2+ Varicella/Disease History	79.0	88.3	94.9	97.4	98.7	99.0	97.2	N/A	95	RIDOH
Entering 7th Grade	1+ MCV4	73.1	78.0	78.5	85.1	85.0	86.9	88.8	N/A	90	RIDOH
Entering 7th Grade	1+ HPV	NA	NA	NA	73.7	72.4	74.3	79.3	N/A	85	RIDOH
Entering 7th Grade	All required vaccines	68.2	74.6	76.2	70.4	69.6	69.8	75.3	N/A	80	RIDOH
8th Grade Vaccination Coverage: % of Students entering 8th grade^{***} who received:											

Entering 8th Grade	2+ HPV	NA	NA	NA	NA	69.8	72.0	75.7	N/A	N/A	RIDOH
9th Grade Vaccination Coverage: % of Students entering 9th grade*** who received:											
Entering 9th Grade	HPV Series Completion	NA	NA	NA	NA	NA	79.2	81.3	N/A	N/A	RIDOH
12th Grade Vaccination Coverage: % of Students entering 12th grade*** who received:											
Entering 12th Grade	booster MCV4^^	NA	NA	NA	67.6	69.6	75.7	84.8	N/A	80	RIDOH
Adolescent Vaccination Coverage : % of adolescents 13-17 years who received:											
13-17 years of age	1+ Tdap	94.0	95.5	92.4	97.1	95.4	94.6	96.3	N/A	90	NIS-Teen
13-17 years of age	1+ MCV	94.3	92.0	94.1	97.7	96.4	94.1	98.7	N/A	90	NIS-Teen
13-17 years of age	1+ HPV (females)	73.7	76.6	76.0	87.9	90.1	88.5	87.0	N/A	N/A	NIS-Teen
13-17 years of age	3+ HPV or UTD (females)	57.7	56.5	53.7	68.0	73.0**	76.8**	76.1	80	80	NIS-Teen
13-17 years of age	1+ HPV (males)	55.2	69.3	69.0	80.6	87.8	88.7	91.5	N/A	N/A	NIS-Teen
13-17 years of age	3+ HPV or UTD (males)	17.7	43.2	42.9	58.1	68.7**	78.4**	80	80	80	NIS-Teen
13-17 years of age	1+ HPV (both M and F)	NA	NA	NA	NA	88.9	88.6	89.3	N/A	N/A	NIS-Teen
13-17 years of age	HPV UTD (both M and F)	NA	NA	NA	NA	70.8	77.7	78.1	80	80	NIS-Teen
13-17 years of age	2+ MMR	97.0	95.6	97.9	97.4	96.9	95.6	97.8	N/A	95	NIS-Teen
13-17 years of age	2+ Varicella vacc if no disease	93.3	93.2	96.3	96.0	93.8	96.1	96.1	N/A	95	NIS-Teen
Adolescent Vaccination Coverage : % of adolescents 13-15 years who received (Healthy People 2020 Measures):											
13-15 years of age	1+ Tdap	94.5	95.2	94.9	96.4	95.3	94.8	95.5	80	90	NIS-Teen
13-15 years of age	1+ MCV	98.0	92.2	94.5	97.6	95.1	94.5	98.0	80	90	NIS-Teen
13-15 years of age	3+ HPV (females)	43.3*	47.3*	46.9*	58.3*	NA	NA	NA	80	80	NIS-Teen
13-15 years of age	3+ HPV (males)	15.8	39.5*	38.0*	50.7	NA	NA	NA	80	80	NIS-Teen
13-15 years of age	UTD HPV (females)	NA	NA	NA	NA	72.9*	77.7*	71.8*	80	80	NIS-Teen
13-15 years of age	UTD HPV (males)	NA	NA	NA	NA	65.5*	76.5	81.1	80	80	NIS-Teen
13-15 years of age	UTD HPV (both F and M)	NA	NA	NA	NA	68.9	77.1	76.5	80	80	NIS-Teen
13-15 years of age	2+ Varicella vacc if no disease	94.8	95.1	97.0	95.0	94.4	97.7	95.1	90	95	NIS-Teen
Adult Pneumococcal Vaccination Coverage: % of adults who EVER received:											
Non-Institutionalized Adults 65+	pneumococcal	71.4	72.4	75.2	76.3	75.9	81.7	75.5	90	90	BRFSS
Nursing Home Residents	pneumococcal	94.8	94.6	95.3	95.4	94.3	96.0	95.5	90	95	Minimum/CMS

Influenza Vaccination: Trends & Goals, (2012-present)

Category	Vaccine	2012 (2012-13) ^a	2013 (2013-14) ^a	2014 (2014-15) ^a	2015 (2015-16) ^a	2016 (2016-17) ^a	2017 (2017-18) ^a	2018 (2018-19) ^a	HP2020 Goal	RI Program Goal	Data Source
Flu Vaccination Coverage by Age:											
All Persons 6 mo+	flu season (Aug-May)	56.7	56.9	58.7	56.1	55.4	50.1	60.4	70	70	NIS-Flu/BRFSS
Children 6 mo-17 yrs	flu season (Aug-May)	81.6	74.5	78.6	77.9	74.2	76.2	78.0	70	80	NIS-Flu
Children 6 mo-4 yrs	flu season (Aug-May)	92.7	86.1	91.3	81.2	75.4	83.5	85.2	70	80	NIS-Flu
Children 5-12 yrs	flu season (Aug-May)	81.1	80.3	78.6	82.0	76.6	78.9	78.5	70	80	NIS-Flu
Children 13-17 yrs	flu season (Aug-May)	76.7	58.9	68.9	69.4	70.1	67.1	72.3	70	80	NIS-Flu
All Adults 18+	flu season (Aug-May)	50.2	52.5	53.7	50.7	50.9	43.8	56.3	70	70	BRFSS
Adults 18-49 yrs	flu season (Aug-May)	40.1	46.6	44.5	45.4	39.7	35.6	48.7	70	70	BRFSS
Adults 50-64 yrs	flu season (Aug-May)	55.0	51.7	60.6	49.6	52.9	44.9	56.2	70	70	BRFSS
Adults 65+ yrs	flu season (Aug-May)	71.5	68.7	67.4	64.9	72.8	61.1	74.1	70	70	BRFSS
Flu Vaccination Coverage by Special Group:											
Nursing Home Residents	flu season (July-March)	92.6	91.2	92.3	96.4	96.5	96.4	97.7	90	90	Minimum/CMS
Pregnant Women ⁸	during pregnancy ⁸	61.0	72.7	75.9	72.9	75.5	75.4	74.5	80	80	PRAMS

Health Care Workers (HCW)	flu season	87.2 [#]	87.6 ^{##}	88.5 ^{##}	88.2 ^{##}	88.6 ^{##}	86.2 ^{##}	87.4 ^{##}	90	92	RIDOH
Flu Vaccination Coverage by Race/Ethnicity (6 months and older):											
White, non-Hispanic	flu season (Aug-May)	56.6	56.2	60.2	58.5	54.9	49.7	61.9	70	70	BRFSS
Black non-Hispanic	flu season (Aug-May)	43.4 [*]	59.3 [*]	59.9 [*]	45.6	54.1 [*]	45.1	53.0	70	70	BRFSS
Hispanic	flu season (Aug-May)	63.5	59.3 [*]	52.4	52.4	57.7	53.4	61.3	70	70	BRFSS
Other race/ethnicity	flu season (Aug-May)	55.8 [*]	58.6 [*]	56.0	52.6 [*]	54.5 [*]	46.6	50.2 [*]	70	70	BRFSS

NOTE:

N/A: Data Not Available or Not Applicable.

NC: data not comparable due to methodology change.

^a: indicates school year or flu season.

^b: From 2018, the NIS-Child released the coverage data by 24 months instead of coverage 19-35 months.

[^]: 3 or 4 doses of Hib vaccine, depending on vaccine type. Hib vaccine shortage during 2007-2009 possibly impacted the coverage rate until 2011.

^{^^}: 4+ DTaP, 3+ polio, 1+ MMR, 3 or 4 doses Hib, depending on vaccine type, 3+ HepB, 1+ varicella, and 4+ PCV.

^{^^^}: MCV4 on or after 16th birthday.

^{*}: RI's estimate might be unreliable because the sample size is too small or confidence interval half-width is > 10.

^{**}: HPV vaccine series completion (2 or 3 doses). ACIP recommendation changed in 2016.

^{***}: From the 2018-2019 school year, the assessment date of the School Immunization Survey changed to December. Previously the assessment date was September 1.

[&]: In 2012, PRAMS question on Flu vaccination changed from "Did you get a flu vaccination during your most recent pregnancy" to "During the 12 months before the delivery of your new baby, did you get a flu shot?"

[#]: among only employee HCWs.

^{##}: among employee and non-employee HCWs, including employees, licensed independent practitioners, students/trainees/volunteers.

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