

Supplemental Digital Content 1. CPT codes for vaccines of interest

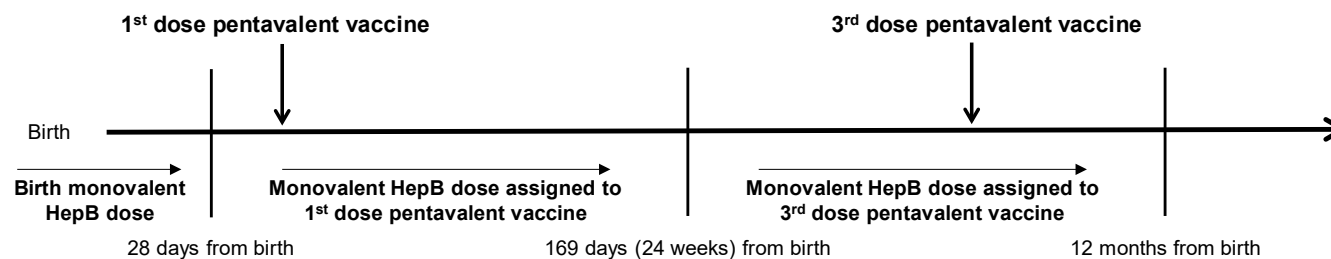
CPT Code	Description	Brand name
90647	Hib, 3 doses	PedvaxHIB®
90648	Hib, 4 doses	ActHIB®, Hiberix®, or Pentacel®
90670	PCV	Prennar 13®
90698	DTaP-IPV/Hib	Pentacel®
90723	DTaP-HepB-IPV	Pediarix®
90743, 90744, 90746, 90747	HepB, 3 doses	Recombivax HB®, Engerix-B®

CPT, Current Procedural Terminology; DTaP, diphtheria, tetanus, acellular pertussis; HepB, hepatitis B virus; Hib, *Haemophilus influenzae* type b; IPV, inactivated poliovirus; PCV, pneumococcal conjugate vaccine

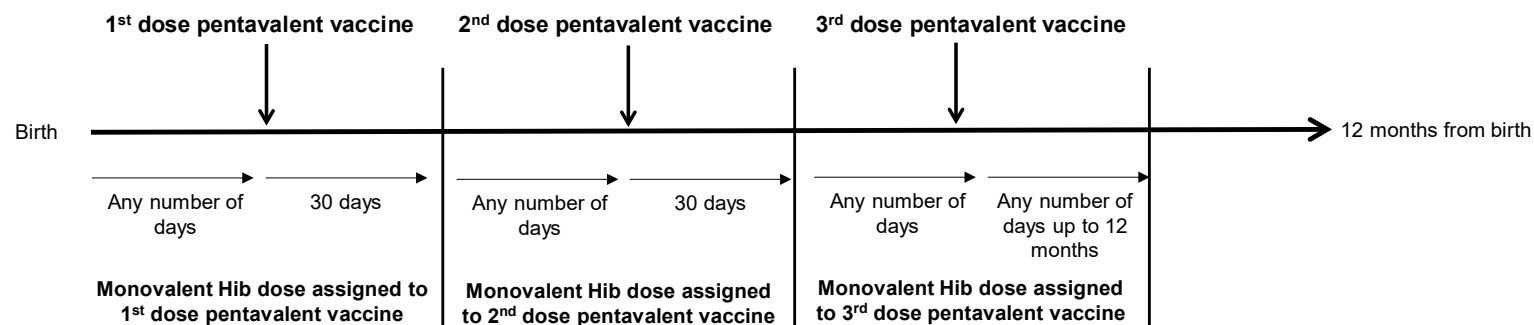
Current Procedural Terminology codes derived from the Centers for Disease Control and Prevention.³⁴

Supplemental Digital Content 2. Assignment of monovalent vaccine doses to pentavalent vaccine doses

(A)

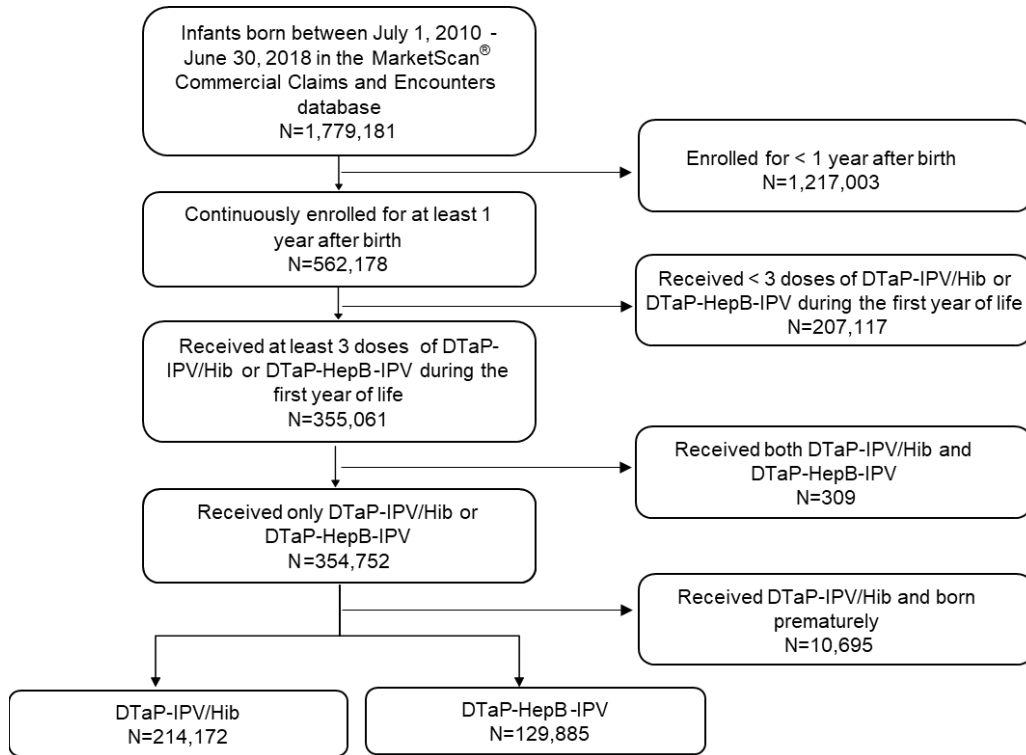


(B)

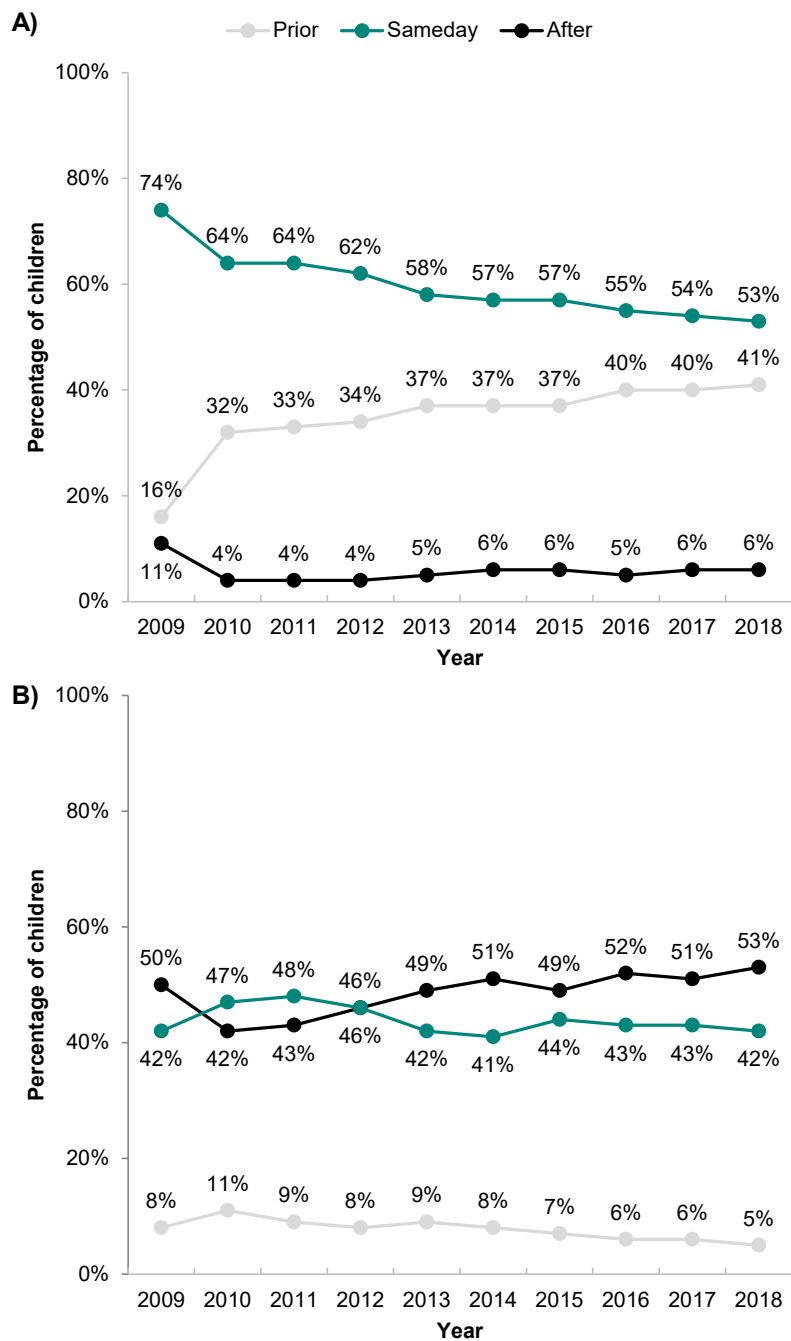


Panel B is also applicable to the administration for DTaP-IPV/Hib and DTaP-HepB-IPV with monovalent PCV

Supplemental Digital Content 3. Selection of DTaP-IPV/Hib and DTaP-HepB-IPV cohorts



Supplemental Digital Content 4. Percentage of infants receiving A) the 2nd and B) 3rd HepB dose prior, after or on the same day as DTaP-IPV/Hib, by vaccination year



DTaP, diphtheria, tetanus, acellular pertussis; HepB, hepatitis B virus

Panel A shows the percentage of infants receiving the 2nd HepB dose prior to, after or on the same day as the 1st DTaP-IPV/Hib dose.

Panel B shows the percentage of infants receiving the 3rd HepB dose prior to, after or on the same day as the 3rd DTaP-IPV/Hib dose.

Supplemental Digital Content 5. Descriptive analysis of factors associated with coadministration of HepB and DTaP-IPV/Hib ^a

Variable	First DTaP-IPV/Hib dose			Third DTaP-IPV/Hib dose		
			P-value	HepB not		P-value
	HepB received	HepB not received		HepB received	received	
	on same day	on same day		on same day	on same day	
	(N=120,373)	(N= 82,388)		(N= 88,798)	(N=109,721)	
Sex			0.413			0.894
Male (referent: female)	62,136 (59.5%)	42,376 (40.5%)		45,852 (44.7%)	56,623 (55.3%)	
Region (referent: other)			<.001			<.001
Midwest	29,596 (57.2%)	22,179 (42.8%)		20,136 (40.1%)	30,029 (59.9%)	
Northeast	12,978 (38.2%)	20,976 (61.8%)		9,508 (29.0%)	23,284 (71.0%)	
West	16,354 (70.7%)	6,782 (29.3%)		13,043 (56.7%)	9,947 (43.3%)	
Provider type (referent: Other)			<.001			<.001
Pediatrician	93,621 (56.8%)	71,273 (43.2%)		67,844 (42.0%)	93,530 (58.0%)	
Family Practitioner	7,390 (76.4%)	2,279 (23.6%)		6,105 (65.4%)	3,231 (34.6%)	
Health plan type (referent HMO/ POS)			<.001			<.001
PPO/ EPO	77,822 (58.6%)	54,915 (41.4%)		56,076 (43.5%)	72,888 (56.5%)	
CDHP/ HDHP	17,172 (58.6%)	12,115 (41.4%)		13,819 (45.5%)	16,537 (54.5%)	

Comprehensive/ Unknown	4,314 (56.7%)	3,297 (43.3%)	3,598 (47.9%)	3,908 (52.1%)
Received PCV on the same day as DTaP- IPV/Hib (referent: no)			<.001	<.001
Yes	119,790 (60.3%)	78,803 (39.7%)	88,211 (45.4%)	106,148 (54.6%)
Received RV on the same day as DTaP- IPV/Hib (referent: no)			<.001	<.001
Yes	116,117 (59.6%)	78,685 (40.4%)	85,346 (44.8%)	105,088 (55.2%)
Number of children under 10 years old in the same family (referent: 0)			<.001	<.001
≥1	27,649 (58.0%)	20,035 (42.0%)	21,618 (42.8%)	28,942 (57.2%)

CDHP, consumer deductible health plan; EPO, exclusive provider organization; HDHP, high deductible health plan; HepB, Hepatitis B virus; HMO, health maintenance organization; POS, point of service; PPO, preferred provider organization; PCV, pneumococcal conjugate vaccine; RV, rotavirus vaccine

^a Values presented as n (%).