Forecast Series Name		Diphtheria
Vaccines	**Vaccine Ids**	
Child	28, 20, 110, 50, 120, 130, 22, 01, 102, 120, 132, 115, 107, 106, 198	
Adult	09, 113, 115	
Td	09, 113	
Tdap	20, 110, 50, 120, 130, 22, 01, 120, 132, 115	7 years
Assume Comp	-110	
12 Months Old	-12	
4 Years Old	-4	
7 Years Old	-7	

Transitions		
Name	**Age**	**Vaccine Id**
12 Months Old	12 months -4 d	-12
4 Years Old	4 years -4 days	-4
7 Years Old	7 years -4 days	-7

Vaccines	
Vaccine	**CVX Code**
DT (pediatric)	28
DTaP	20
DTaP-Hep B-IPV	110
DTaP-Hib	50
DTaP-Hib-IPV	120
DTaP-IPV	130
DTP-Hib	22
DTP	01
Td (adult), adsorbed	09
Td (adult) preservative free	113
DTP-Hib-Hep B	102
DTaP-Hib-IPV	120
DTaP-IPV-HIB-HEP B, historical	132
Tdap	115
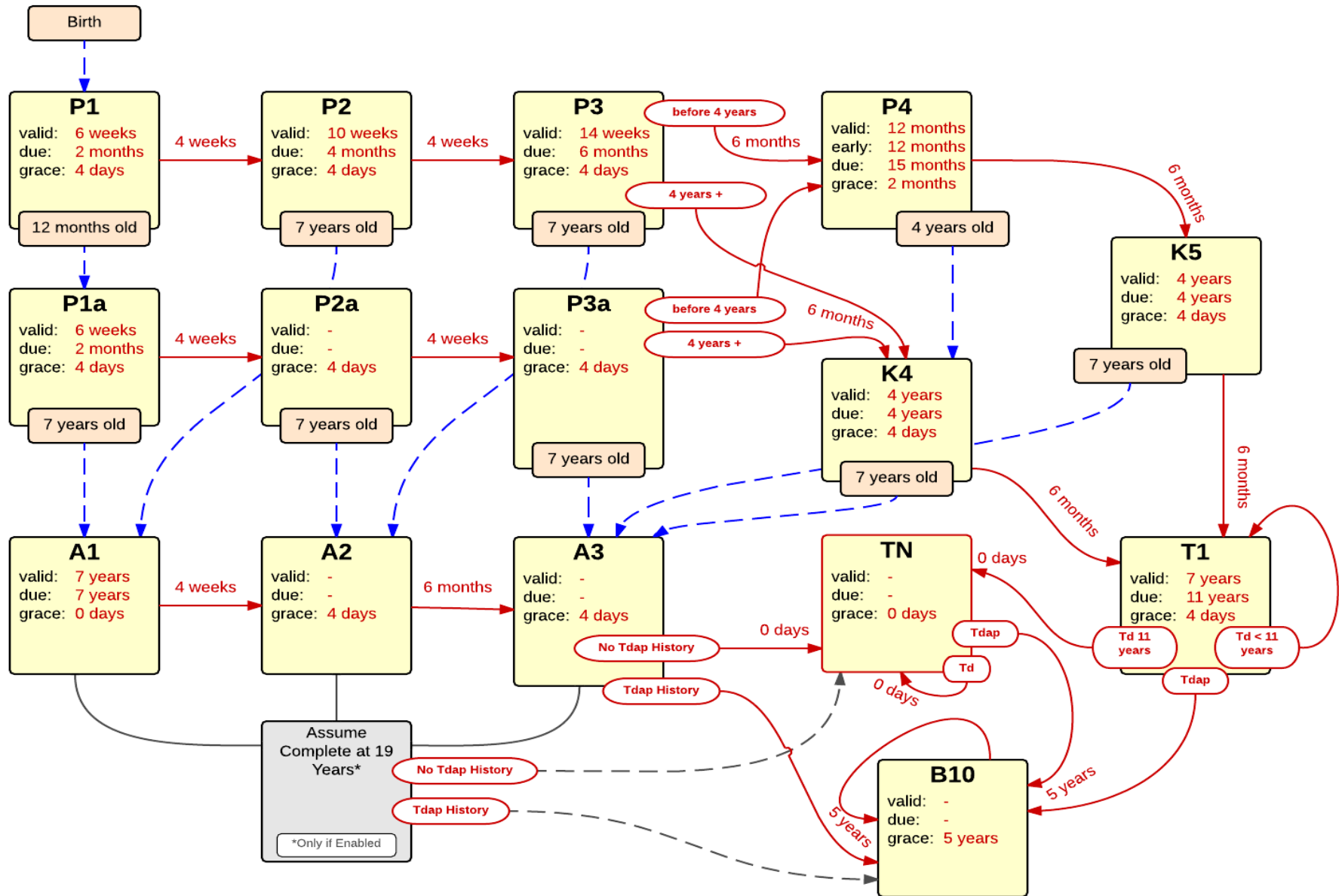
Schedule	Dose	Indication	2 months
P1	1	BIRTH	

Determine if dose is valid or when next is due			
	Age	Interval	Grace
Valid	6 weeks		4 days
Early due	6 weeks		
Due	2 months		
Overdue	3 months		
Finished	150 years		
After invalid dose		0 days	
Dose before previous			

If valid, pick the next schedule to use				
Vaccine	Schedule	Before Age	History Of	Reason
12 Months Old	P1a			Patient reached 12 months of age without receiving first DTaP, moving to alternate schedule.
Child	P2			
Adult	INVALID			Td or Tdap should not be given before 7 years of age.
Show Column	1			
Show Row	1			

Schedule	Dose		4 months
P2	2		

Determine if dose is valid or when next is due			
	Age	Interval	Grace
Valid	10 weeks	4 weeks	4 days
Early due			
Due	4 months		
Overdue	5 months		
Finished	150 years		
After invalid dose		4 weeks	4 days
Dose before previous			

If valid, pick the next schedule to use				
Vaccine	Schedule	Before Age	History Of	Reason
7 Years Old	A1			Patient reached 7 years of age without completing childhood series, moving adult catchup schedu
Child	P3			
Adult	INVALID			Td or Tdap should not be given before 7 years of age.
Show Column	2			
Show Row	1			

Schedule	Dose	6 months	
P3	3		

Determine if the vaccination is valid or when next is due

	Age	Interval	Grace
Valid	14 weeks	4 weeks	4 days
Early due			
Due	6 months		
Overdue	7 months		
Finished	150 years		
After invalid dose		4 weeks	4 days
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
7 Years Old	A2			Patient reached 7 years of age without completing childhood series, moving to 2nd dose in adult c
Child	P4	4 years		
Child	K4			Patient received 3rd valid dose after 4 years of age, now expecting final DTaP booster.
Adult	INVALID			Td or Tdap should not be given before 7 years of age.
Show Column	3			
Show Row	1			

Schedule	Dose	15-18 months	
P4	4		

Determine if the vaccination is valid or when next is due

	Age	Interval	Grace
Valid	15 months	6 months	3 months 4 days
Early due	15 months		
Due	15 months		
Overdue	19 months		
Finished	150 years		
After invalid dose		6 months	2 months
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
4 Years Old	K4			Patient reached 4 years of age without receiving 4th valid dose in primary series, moving to catch
Child	K5			
Adult	K5			Td or Tdap should not be given before 7 years of age.
Show Column	4			
Show Row	1			

Schedule	Dose	1st catchup		
P1a	1			

Determine if dose is valid or when next is due				
	Age	Interval	Grace	
Valid	6 weeks		4 days	
Early due	6 weeks			
Due	2 months			
Overdue	3 months			
Finished	150 years			
After invalid dose		0 days		
Dose before previous				

If valid, pick the next schedule to use				
Vaccine	Schedule	Before Age	History Of	Reason
7 Years Old	A1			Patient reached 7 years of age without receiving one valid dose of DTaP, moving to adult catchup
Child	P2a			
Adult	INVALID			Td or Tdap should not be given before 7 years of age.
Show Column	1			
Show Row	2			

Schedule	Dose	2nd catchup		
P2a	2			

Determine if the vaccination is valid or when next is due				
	Age	Interval	Grace	
Valid		4 weeks	4 days	
Early due				
Due		4 weeks		
Overdue		4 weeks		
Finished	150 years			
After invalid dose		4 weeks	4 days	
Dose before previous				

If valid, pick the next schedule to use				
Vaccine	Schedule	Before Age	History Of	Reason
7 Years Old	A2			Patient reached 7 years of age, only receiving one valid dose of DTaP after 12 months, moving to
Child	P3a			
Adult	INVALID			
Show Column	2			
Show Row	2			

Schedule	Dose	3rd catchup	
P3a	3		

Determine if the vaccination is valid or when next is due

	Age	Interval	Grace
Valid		4 weeks	4 days
Early due			
Due		4 weeks	
Overdue		4 weeks	
Finished	150 years		
After invalid dose		4 weeks	4 days
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
7 Years Old	A3			Patient reached 7 years of age, only receiving two valid doses of DTaP after 12 months, moving to
Child	P4	4 years		
Child	K4			Patient received 3rd valid dose after 4 years of age, now expecting final DTaP booster.
Adult	INVALID			
Show Column	3			
Show Row	2			

Schedule	Dose	catchup kindegarten booster	
K4	B		

Determine if the vaccination is valid or when next is due

	Age	Interval	Grace
Valid	4 years	6 months	4 days
Early due			
Due	4 years		
Overdue	4 years		
Finished	150 years		
After invalid dose		6 months	4 days
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
7 Years Old	A3			Patient reached 7 years of age without receiving kindergarten booster after age 4 years, moving to
Child	T1			
Adult	T1			Td or Tdap should not be given before 7 years of age.
Show Column	4			
Show Row	1			

Schedule	Dose	kindegarten booster		
K5	B			
Determine if the vaccination is valid or when next is due				
	Age	Interval	Grace	
Valid	4 years	6 months	4 days	
Early due				
Due	4 years			
Early overdue	6 years			
Overdue	7 years			
Finished	150 years			
After invalid dose		6 months	4 days	
Dose before previous				
If valid, pick the next schedule to use				
Vaccine	Schedule	Before Age	History Of	Reason
7 Years Old	A3			Patient reached 7 years of age without receiving kindergarten booster after age 4 years, moving t
Child	T1			
Adult	T1			Td or Tdap should not be given before 7 years of age.
Show Column	5			
Show Row	2			

Schedule	Dose	10-year booster		
B10	B			
Determine if the vaccination is valid or when next is due				
	Age	Interval	Grace	
Valid		5 years	5 years	
Early due				
Due		10 years		
Overdue		11 years		
Finished	150 years			
After invalid dose		5 years	5 years	
Dose before previous				
If valid, pick the next schedule to use				
Vaccine	Schedule	Before Age	History Of	Reason
Child	B10			Child vaccine should not be given has booster.
Adult	B10			
Show Column	4			
Show Row	4			

Schedule	Dose	1st adult
A1	1	

Determine if dose is valid or when next is due

	Age	Interval	Grace
Valid	7 years		0 days
Early due			
Due	7 years		
Overdue	7 years		
Finished	150 years		
After invalid dose		0 days	
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
Child	A2			Child vaccine should not be given after 7 years of age.
Adult	A2			
Assume Comp	B10		Tdap	Tdap already given, and assuming adult received full DTaP series as a child, moving to 10 year bo
Assume Comp	TN			Assuming adult received full DTaP series as a child but now needs to receive Tdap.
Show Column	1			
Show Row	3			

Schedule	Dose	2nd adult
A2	2	

Determine if the vaccination is valid or when next is due

	Age	Interval	Grace
Valid		4 weeks	4 days
Early due			
Due		4 weeks	
Overdue		4 weeks	
Finished	150 years		
After invalid dose		4 weeks	4 days
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
Child	A3			Child vaccine should not be given after 7 years of age.
Adult	A3			
Assume Comp	B10		Tdap	Tdap already given, and assuming adult received full DTaP series as a child, moving to 10 year bo
Assume Comp	TN			Assuming adult received full DTaP series as a child but now needs to receive Tdap.
Show Column	2			
Show Row	3			

Schedule	Dose	3rd adult	
A3	3		

Determine if the vaccination is valid or when next is due			
	Age	Interval	Grace
Valid	7 years	6 months	4 days
Early due			
Due		6 months	
Overdue		6 months	
Finished	150 years		
After invalid dose		6 months	2 months
Dose before previous			

If valid, pick the next schedule to use				
Vaccine	Schedule	Before Age	History Of	Reason
Child	B10		Tdap	Child vaccine should not be given after 7 years of age.
Adult	B10		Tdap	
Tdap	B10			
Assume Comp	B10		Tdap	Assuming adult received full DTaP series as a child, moving to 10 year booster schedule.
Child	TN			Child vaccine should not be given after 7 years of age, Tdap should be administered as soon as p
Adult	TN			Tdap should be administered as soon as possible.
Assume Comp	TN			Assuming adult received full DTaP series as a child but now needs to receive Tdap.
Show Column	3			
Show Row	3			

Schedule	Dose	Tdap Now
TN	B	

Determine if the vaccination is valid or when next is due

	Age	Interval	Grace
Valid	7 years	0 days	
Early due			
Due	7 years		
Overdue	7 years		
Finished	150 years		
After invalid dose		0 days	
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
Adult	B10		Tdap	
Tdap	B10			
Child	TN			Child vaccine should not be given after 7 years of age, Tdap should be administered as soon as p
Adult	TN			Tdap should be administered as soon as possible.
Show Column	4			
Show Row	3			

Schedule	Dose	First Tdap
T1	B	

Determine if the vaccination is valid or when next is due

	Age	Interval	Grace
Valid	7 years	0 days	
Early due			
Due	11 years		
Overdue	13 years		
Finished	150 years		
After invalid dose		0 days	
Dose before previous			

If valid, pick the next schedule to use

Vaccine	Schedule	Before Age	History Of	Reason
Adult	B10		Tdap	
Tdap	B10			
Child	T1	11 years		Patient has not received pertussis vaccine (Tdap) after 7 years of age, Tdap due at 11 years of ag
Adult	T1	11 years		Patient has not received pertussis vaccine (Tdap) after 7 years of age, Tdap due at 11 years of ag
Child	TN			Child vaccine should not be given after 7 years of age, Tdap should be administered as soon as p
Adult	TN			Tdap should be administered as soon as possible.
Show Column	5			

Show Row	3