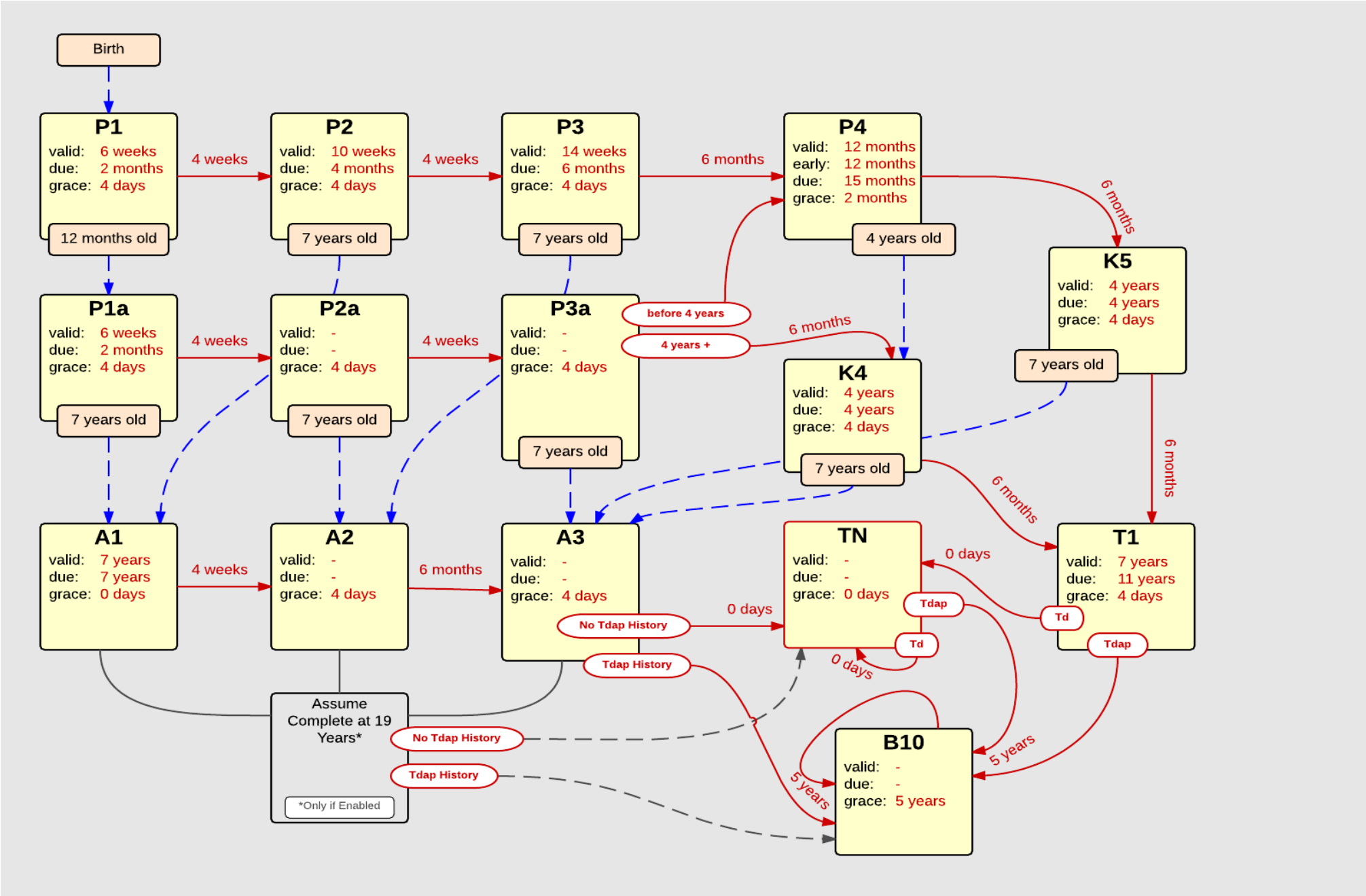
Forecast Series Name	Diphtheria
Vaccines	**Vaccine Ids**
Child	110, 112, 114, 115, 116, 2060, 111, 2070, 113, 121, 1150, 142
Adult	122, 124, 123
Td	122, 124
Tdap	123, 110, 114, 113, 115, 116, 121, 2060, 111, 2070
Assume Comp	-110
12 Months Old	-12
4 Years Old	-4
7 Years Old	-7

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

7 years

Vaccines		
Vaccine	**Trade Name(s)**	**Id**
DT		112
DTaP		110
DTaP-HepB-IPV	Pediarix	114
DTaP-Hib	TriHibit	113
DTaP-Hib-IPV	Pentacel	115
DTaP-IPV	Kinrix	116
DTP-Hib	Tetramune	121
DTP		2060
DTP		111
DTP		2070
Td		122
Td Preservative free		124
DTP-Hib-HepB		1150
DTaP-IPV-Hib-HepB	Pentavalente	142
Tdap	Boostrix, Adecel	123


Birth
P1
valid: 6 weeks
due: 2 months
grace: 4 days
12 months old
4 weeks
P2
valid: 10 weeks
due: 4 months
grace: 4 days
7 years old
4 weeks
P3
valid: 14 weeks
due: 6 months
grace: 4 days
7 years old
6 months
P4
valid: 12 months
early: 12 months
due: 15 months
grace: 2 months
4 years old
6 months
K5
valid: 4 years
due: 4 years
grace: 4 days
7 years old
P1a
valid: 6 weeks
due: 2 months
grace: 4 days
7 years old
4 weeks
P2a
valid: -
due: -
grace: 4 days
7 years old
4 weeks
P3a
valid: -
due: -
grace: 4 days
7 years old
before 4 years
4 years +
6 months
K4
valid: 4 years
due: 4 years
grace: 4 days
7 years old
6 months
A1
valid: 7 years
due: 7 years
grace: 0 days
4 weeks
A2
valid: -
due: -
grace: 4 days
6 months
A3
valid: -
due: -
grace: 4 days
No Tdap History
Tdap History
0 days
TN
valid: -
due: -
grace: 0 days
Tdap
Td
0 days
0 days
T1
valid: 7 years
due: 11 years
grace: 4 days
Td
Tdap
6 months
Assume Complete at 19 Years*
No Tdap History
Tdap History
*Only if Enabled
B10
valid: -
due: -
grace: 5 years
5 years
5 years

Schedule	Dose	Indication
P1	1	BIRTH

2 months

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
P2	2

4 months

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			
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	12 months	6 months	2 months
Early due	12 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 catchu
Child	K5			
Adult	K5			Td or Tdap should not be given before 7 years of age.
Show Column	4			
Show Row	1			

Schedule	Dose
P1a	1

1st catchup

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
P2a	2

2nd catchup

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	
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 to
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
A1	1

1st adult

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
A2	2

2nd adult

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
A3	3

3rd adult

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
TN	B

Tdap Now

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
Child	TN			Child vaccine should not be given after 7 years of age, Tdap should be administered as soon as p
Adult	B10		Tdap	
Tdap	B10			
Adult	TN			Tdap should be administered as soon as possible.
Show Column	4			
Show Row	3			

Schedule	Dose
T1	B

First Tdap

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
Child	TN			Child vaccine should not be given after 7 years of age, Tdap should be administered as soon as p
Adult	B10		Tdap	
Tdap	B10			
Adult	TN			Tdap should be administered as soon as possible.
Show Column	5			
Show Row	3			