

# Milestones with Tito

*A comical guide to your child's  
developmental milestones at 5 years*



It's Tito's fifth birthday and her parents have thrown her a big surprise birthday party.



Tito, you're 5 years old today. Why don't you sing a song for us?



Tito goes on to sing a rhyme



LALalalalaLALA

And do a little dance too!

Everybody at the party clapping hands for Tito



Tito does a little boogy woogy



Tito's equally good at acting now. She's playing Cinderella in the annual school play



## Social/Emotional milestones

- Sings, dances, or acts for you



At the party, Tito's granny asks everyone to take turns and introduce themselves.



Kids, why don't we all play a game where you all take turns and tell me something about yourselves?



Rohan jumps in without waiting for his turn.



Meanwhile, Tito waits for her turn to introduce herself.



Granny, my name is Tito. I am also 5 years old. I love singing and dancing.

Good Tito!  
You followed the rules of the game and waited for your turn.



## Social/Emotional Milestones:

- Follows rules or takes turns when playing games with other children
- Does simple chores at home, like matching socks or clearing the table after eating



Before dinner, granny narrates the story of Little Red Riding Hood to all the kids.



So kids, tell me what is the moral of the story?



Granny, the moral of the story is that we should be careful when we go out.



And we must not talk to strangers too!

Good job Tito and Raghu! Both of you have understood the story and answered my question correctly.



## Language/ Communication Milestones

- Answers simple questions about a book or story after you read or tell it to them.



After dinner, the kids take turns to tell stories to each other.



Tito tells the story of the Hare and Tortoise clearly, without any breaks.



And then, the hare ran as fast as he could but was not able to overtake the tortoise in time.



The moral of the story is... Slow and steady wins the race.



Amazing Tito! You narrated the story you heard in class to your friends perfectly. That too by using full sentences!



## Language/ Communication Milestones

- Tells a story they heard or made up with at least two events.  
For example, a cat was stuck in a tree and a firefighter saved it
- Keeps a conversation going with more than three back and forth exchanges
- Uses or recognizes simple rhymes (bat-cat, ball-tall)



In Tito's school

Children, who would like to name all the alphabets for me?

A B C D E F G  
H I J K L M N  
O P Q R S T U



Tito raises her hand up

A B C D E F G  
H I J K L M N  
O P Q R S T U



Very good Tito.  
Now why don't you write your name and show me?

A B C D E F G  
H I J K L M N  
O P Q R S T U

A, B, C, D, ..., X, Y, Z.  
Done teacher.



Tito writes her name in her notebook without any mistakes.

TITO



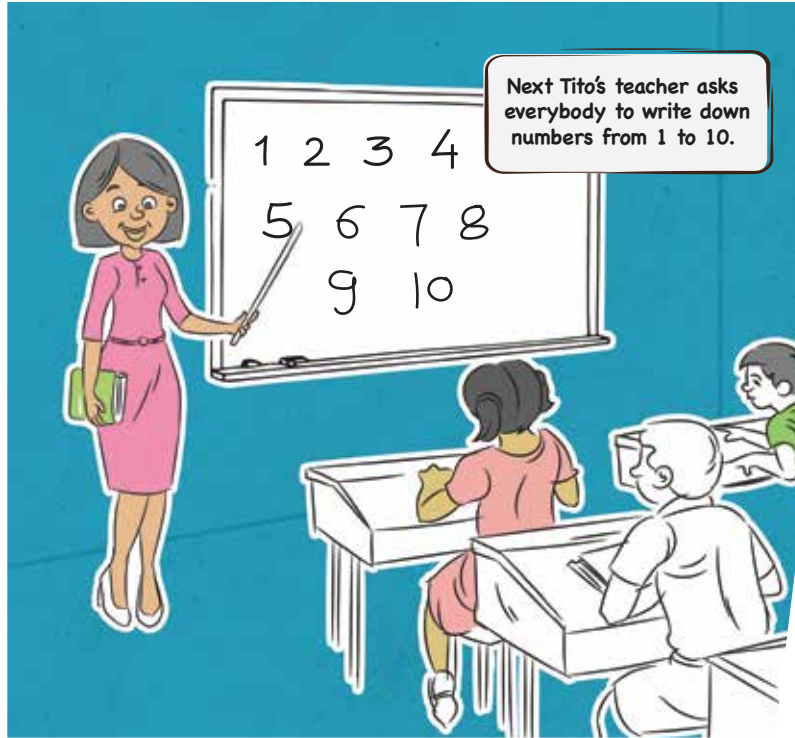
Tito shows her notebook to her teacher.

Very good Tito

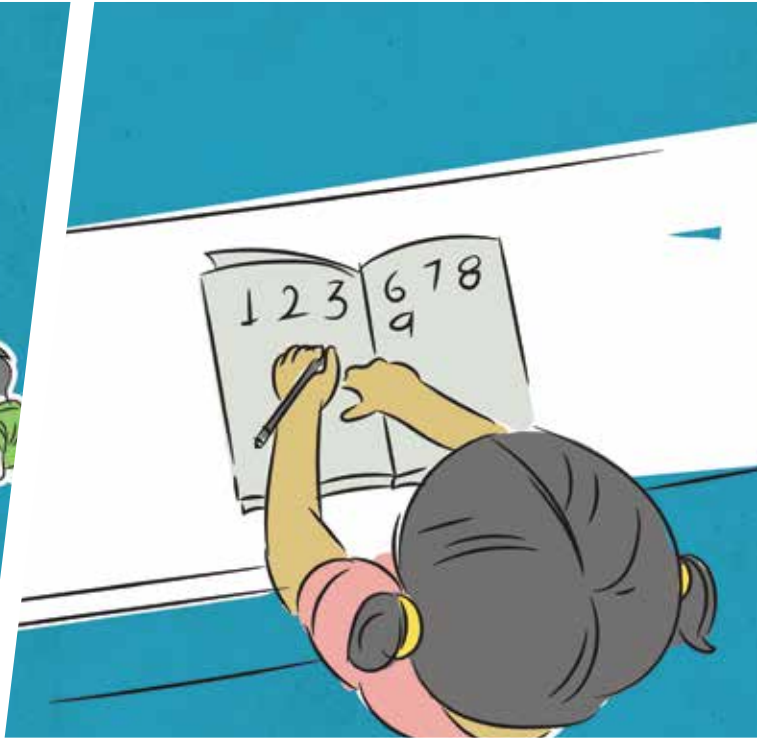


## Cognitive milestones

- Name some letters when you point to them
- Write some letters in their name



Next Tito's teacher asks everybody to write down numbers from 1 to 10.



Tito shows her notebook to her teacher.



Very good Tito!

### Cognitive milestones:

- Counts to 10
- Name some numbers between 1 and 5 when you point to them





Next day in school, Tito's teacher holds a craft competition in class.



Tito and her classmates grab some craft papers and put on their creative hats for an hour.



Later, the teacher goes around and inspects everyone's craft.

So Tito, what did you make?



Tito shows her craft to the teacher.

I made an Origami paper boat teacher.



Wow! What a pretty boat! Looks amazing Tito!

**Cognitive milestones:**

- Pays attention for 5 to 10 minutes during activities. For example, during story time or making arts and crafts (screen time does not count)
- Uses words about time, like "yesterday," "tomorrow," "morning," or "night"



Tito and Shyam are playing together in a park.



Tito,  
can you do a  
somersault?



Yes, of course.  
Watch me.



Woahh!  
Can you stand on one  
foot for 10 seconds?



Yes,  
that too!







## Movement/Physical Development Milestones

- Buttons some buttons
- Hops on one foot



Tito visits the clinic for a routine check up.



Tito, just one shot of the DTP and IPV booster and you're all set to start school!



Okay doc! I am so excited to start school!

Good job!  
You've completed all your vaccinations. You have crossed your immunity milestones.



Name: Tito  
Age: 5 years

- MMR 3<sup>rd</sup> Dose
- DTP and IPV School-entry booster

## Immunity milestones

By 5 years, your child must be vaccinated with:

- DTP and IPV School-entry booster
- MMR 3<sup>rd</sup> Dose



# Summary of milestones

## Social/Emotional Milestones<sup>1</sup>

- Follows rules or takes turns when playing games with other children.
- Sings, dances, or acts for you
- Does simple chores at home, like matching socks or clearing the table after eating

## Language/Communication Milestones<sup>1</sup>

- Tells a story they heard or made up with at least two events. For example, a cat was stuck in a tree and a firefighter saved it
- Answers simple questions about a book or story after you read or tell it to them
- Keeps a conversation going with more than three back-and-forth exchanges
- Uses or recognizes simple rhymes (bat-cat, ball-tall)

## Movement/Physical Development Milestones<sup>1</sup>

- Buttons some buttons
- Hops on one foot

## Cognitive milestones<sup>1</sup>

### At 5 years, your child:

- Counts to 10
- Names some numbers between 1 and 5 when you point to them
- Uses words about time, like "yesterday," "tomorrow," "morning," or "night"
- Pays attention for 5 to 10 minutes during activities. For example, during story time or making arts and crafts (screen time does not count)
- Writes some letters in her name
- Names some letters when you point to them

## Immunity milestones<sup>2</sup>

### By 5 years, your child must be vaccinated with

- DTP and IPV School-entry booster
- MMR 3<sup>rd</sup> Dose

DTP & IPV – Diphtheria, Tetanus, Pertussis and Inactivated Poliomyelitis Vaccine

1. Centers for Disease Control and Prevention [Internet]. What developmental milestones is your 5-year-old reaching?; [cited 2023 Feb 10]. Available from: <https://www.cdc.gov/ncbddd/actearly/milestones/milestones-5yr.html>. 2. Kasi SG, et al. Indian Academy of Pediatrics (IAP) Advisory Committee on Vaccines and Immunization Practices (ACVIP): Recommended Immunization Schedule (2020–21) and Update on Immunization for Children Aged 0 Through 18 Years. Indian Pediatr. 2021 Jan 15;58(1):44–53.



Is your child missing  
their school-entry booster?  
Complete the circle of protection with



## DTP & IPV Booster Vaccines



DTP & IPV - Diphtheria, Tetanus, Pertussis and Inactivated Poliomyelitis Vaccine

### What are DTP & IPV vaccines?

DTP & IPV booster vaccines are given to protect your child against infections like

- Diphtheria
- Tetanus
- Pertussis
- Poliovirus

The vaccine causes the body to produce a shield against these diseases<sup>1</sup>

### How serious are these diseases?

These diseases can cause breathing difficulties, heart problems, muscle spasms and inability to walk, paralysis, and even death.<sup>1</sup>



Vaccination is the best  
way to prevent these diseases<sup>2</sup>



References: 1. Diphtheria, tetanus, pertussis and polio vaccine [Internet] [Updated Mar 01, 2022]. Available at: <https://www.mayoclinic.org/drugs-supplements/diphtheria-tetanus-acellular-pertussis-polio-vaccine-intramuscular-route/description/drug20071983#text=Diphtheria%2C%20tetanus%2C%20and%20acellular%20pertussis%2C%20and%20poliovirus>. Accessed on May 26, 2022. 2. Prevention [Internet] [Updated May 26, 2020]. Available at: <https://www.cdc.gov/diphtheria/about/prevention.html>. Accessed on May 26, 2022.





## Why do we NEED BOOSTERS?

High disease transmission  
and waning of immunity  
against the disease  
among school-entry  
children<sup>1,2</sup>

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Once vaccinated the child  
is protected  
for long term<sup>3</sup>

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New ACVIP guideline  
recommends  
DTP & IPV booster shot  
in school-entry children<sup>3</sup>

## DTP & IPV as SCHOOL- ENTRY BOOSTERS

Booster can be given  
independent to the primary  
vaccine(s) or previous  
vaccination schedule<sup>4</sup>

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Maintains high immunity  
from early childhood up  
until the adolescent  
booster<sup>5</sup>

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Is well-tolerated in  
toddlers<sup>6</sup>



Vaccine	Age in completed weeks / months / years															
	Birth	6w	10w	14w	6m	7m	9m	12m	13m	15m	16-18m	18-24m	2-3 Y	4-6 Y	9-14 Y	15-18 Y
BCG																
Hepatitis B	HB 1 <sup>a</sup>	HB 2	HB 3	HB 4 <sup>b</sup>												
Polio	OPV	IPV 1 <sup>c</sup>	IPV 2 <sup>c</sup>	IPV 3 <sup>c</sup>							IPV <sup>c</sup> B1			IPV <sup>c</sup> B2		
DTwP/DTaP		DTP 1	DTP 2	DTP 3							DTP B1			DTP B2		
Hib		Hib 1	Hib 2	Hib 3							Hib B1					
PCV		PCV 1	PCV 2	PCV 3						PCV B						
Rotavirus		RV 1	RV 2	RV 3 <sup>d</sup>												
Influenza					Dose 1 <sup>e</sup>	Dose 2										
MMR							Dose 1							Dose 2		
TCV																
Hepatitis A								Dose 1								
Varicella																
Tdap <sup>b</sup> /Td														Dose 1		
HPV														Dose 2 <sup>f</sup>		
														Dose 2 <sup>g</sup>		
Meningococcal <sup>k</sup>																
JE							Dose 1	Dose 2								
Cholera								Dose 1	Dose 2							
PPSV 23								Dose 1	Dose 2							
Rabies																
Yellow Fever																

Recommended age
  Catch up age range
  Vaccines in special situations

(a) To be given within 24 h after birth. When this is missed, it can be administered at first contact with health facility; (b) An extra dose of Hepatitis B vaccine is permitted as part of a combination vaccine when use of this combination vaccine is necessary; (c) IPV can be given as part of a combination vaccine; (d) 3rd dose of Rota vaccine is not necessary for RV1; (e) Influenza vaccine should be started after 6 mo of age. 2 doses 4 wks apart, usually in the pre-monsoon period. At other times of the year, the most recent available strain should be used. Annual influenza vaccination should be continued, for all, till 5 y of age; after the age of 5y, this vaccine is recommended in the high-risk group only; (f) Single dose is to be given for the live attenuated Hepatitis A vaccine. The inactivated vaccine needs two doses; (g) 2nd dose of Varicella vaccine should be given 3-6 mo of age after dose 1. However, it can be administered anytime 3 mo after dose 1 or at 4-6 y; (h) Tdap should not be administered as the second booster of DTP1 at 4-6 y. For delayed 2nd booster, Tdap can be given after 7 y of age. A dose of Tdap is necessary at 10-12 y, irrespective of previous Tdap administration. If Tdap is unavailable/unaffordable, it can be substituted with Td; (i) Before 14 completed years, HPV vaccines are recommended as a 2-dose schedule, 6 mo apart; (j) From 16th y onwards and the immunocompromised subjects at all ages, HPV vaccines are recommended as a 3-dose schedule, 0-1-6 (HPV2) or 0-2-6 (HPV4); (k) MenACWY-DT is approved in a 2-dose schedule between 9-23 mo. Minimum interval between two doses should be 3 mo. MenACWY-CRM is also recommended as a single dose schedule after 2 y of age.

**ACVIP recommends DTP & IPV boosters in school-entry children<sup>1</sup>**

DTP & IPV – Diphtheria, Tetanus, Pertussis and Inactivated Polio Vaccine; IAP – Indian Academy of Pediatrics; ACVIP – Advisory Committee on Vaccines and Immunization Practices.

Reference: 1. Kasi SG, Shivananda S, Marathe S, Chatterjee K, Agarwalla S, Dhir SK, et al. Indian Academy of Pediatrics (IAP) Advisory Committee on vaccines and immunization practices (ACVIP): Recommended immunization schedule (2020–21) and update on immunization for children aged 0 through 18 years. *Indian Pediatrics*. 2021 Jan;58(1):44-53. Available at: [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7840391/pdf/13312\\_2021\\_Article\\_2096.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7840391/pdf/13312_2021_Article_2096.pdf).



# YOUR CHILD'S VACCINATION JOURNEY AS PER LATEST ACVIP IMMUNIZATION SCHEDULE

## Birth

BCG  
OPV  
Hep B-1 (BD)<sup>a</sup>



## 6 weeks

DTaP/DTwP-1      PCV-1  
IPV-1<sup>c</sup>  
Hib-1  
Hep B-2  
Rota-1



## 10 weeks

DTaP/DTwP-2      PCV-2  
IPV-2<sup>c</sup>  
Hib-2  
Hep B-3  
Rota-2



## 14 weeks

DTaP/DTwP-3      PCV-3  
IPV-3<sup>c</sup>  
Hib-3  
Hep B-4<sup>b</sup>  
Rota-3<sup>d</sup>



## 6 months

IIV-1<sup>e</sup>  
Typhoid  
conjugate  
vaccine<sup>@</sup>



## 7 months

IIV-2



## 9 months

MMR-1  
MCV-1<sup>\*k</sup>  
Yellow Fever  
Vaccine<sup>\*</sup>



## 12 months

Hep A  
MCV-2<sup>\*k</sup>  
JE-1<sup>\*</sup>  
Oral Cholera  
Vaccine-1<sup>\*</sup>



## 13 months

JE-2<sup>\*</sup>  
Oral Cholera  
Vaccine-2<sup>\*</sup>



## 15 months

MMR-2  
Varicella-1  
PCV booster



## 16-18 months

DTaP/DTwP-B1  
Hib-B1  
IPV<sup>c</sup>-B1



## 18-19 months

Hep A-2<sup>†</sup>  
Varicella-2<sup>g</sup>



## 2-3 years

MCV<sup>\*k</sup>  
PPSV23<sup>\*</sup>



## 4-6 years

DTaP/DTwP-B2  
IPV<sup>c</sup>-B2  
MMR-3



## 10-12 years

Tdap<sup>h</sup>  
HPV<sup>i,j</sup>



### \*Vaccines used in special situations

BD- Birth Dose, ACVIP- Advisory Committee on Vaccines & Immunization Practices; @- Typhoid Conjugate vaccine can be administered between 6-9 months. BCG- Bacille Calmette Guerin vaccine; OPV - Oral Polio Vaccine; Hep B - Hepatitis B; DTaP/DTwP - Diphtheria-Tetanus acellular Pertussis /Diphtheria Tetanus whole cell Pertussis; IPV- Injectable Polio Vaccine; Hib- Haemophilus influenzae type b; Rota- Rotavirus; PCV- Pneumococcal Conjugate Vaccine; PPSV- Pneumococcal Polysaccharide vaccine; IIV- Inactivated Influenza Vaccine; MMR- Measles Mumps Rubella; HepA- Hepatitis A; HPV- Human Papillomavirus; Tdap- Tetanus and diphtheria toxoids with acellular pertussis; MCV- Meningococcal Vaccine; JE- Japanese Encephalitis

(a) To be given within 24 h after birth. When this is missed, it can be administered at first contact with health facility; (b) An extra dose of Hepatitis B vaccine is permitted as part of a combination vaccine when use of this combination vaccine is necessary; (c) IPV can be given as part of a combination vaccine; (d) 3rd dose of Rota vaccine is not necessary for RV1; (e) Influenza vaccine should be started after 6 mo of age, 2 doses 4 wks apart, usually in the pre-monsoon period. At other times of the year, the most recent available strain should be used. Annual influenza vaccination should be continued, for all, till 5 y of age; after the age of 5y, this vaccine is recommended in the high-risk group only; (f) Single dose is to be given for the live attenuated Hepatitis A vaccine. The inactivated vaccine needs two doses; (g) 2nd dose of Varicella vaccine should be given 3-6 mo of age after dose 1. However, it can be administered anytime 3 mo after dose 1 or at 4-6 y; (h) Tdap should not be administered as the second booster of DPT at 4-6 y. For delayed 2nd booster, Tdap can be given after 7 y of age. A dose of Tdap is necessary at 10-12 y, irrespective of previous Tdap administration. If Tdap is unavailable/unaffordable, it can be substituted with Td; (i) Before 14 completed years, HPV vaccines are recommended as a 2-dose schedule, 6 mo apart; (j) From 15th y onwards and the immunocompromised subjects at all ages, HPV vaccines are recommended as a 3-dose schedule, 0-1-6 (HPV2) or 0-2-6 (HPV4); (k) MenACWY-DT is approved in a 2-dose schedule between 9-23 mo. Minimum interval between two doses should be 3 mo. MenACWY-CRM is also recommended as a single dose schedule after 2 y of age; (l) Due to the nature of rabies (an infectious zoonotic viral disease that is almost always fatal following the onset of clinical symptoms), there is no defined age indication for vaccine use. This is in alignment with ACVIP's recommendation for rabies vaccine use across all children aged 0 through 18 years in special situations<sup>†</sup>

References: 1. Indian Academy of Pediatrics (IAP) Advisory Committee on Vaccines and Immunization Practices (ACVIP): Recommended immunization schedule (2020-21) and update on immunization for children aged 0 through 18 years. [cited 2022Nov23]. Available from: <https://www.indianpediatrics.net/jan2021/jan-44-53.html> | 2. World Health Organization. Rabies vaccines: WHO position paper, April 2018 - Recommendations. Vaccine. 2018 Sep 5;36(37):5500-5503.

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