

**GOVERNMENT OF INDIA  
MINISTRY OF HEALTH AND FAMILY WELFARE  
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA  
UNSTARRED QUESTION No. 3244  
TO BE ANSWERED ON 17<sup>th</sup> DECEMBER, 2021**

**VITAMIN D DEFICIENCY**

**3244. DR. KALANIDHI VEERASWAMY:**

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

- (a) whether the Government has data of people having Vitamin D deficiency in the country, if so, the details thereof, State/UT-wise including Tamil Nadu;
- (b) whether the Government is aware of huge number of cases of Vitamin D deficiency being reported/identified in the country;
- (c) if so, the details thereof and the reasons therefor;
- (d) whether the Government has conducted any study to assess normal values of Vitamin D besides the criteria for normal values set by the Western World; and
- (e) if so, the details thereof and if not, the reasons therefor?

**ANSWER  
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND  
FAMILY WELFARE  
(DR. BHARATI PRAVIN PAWAR)**

(a) to (e) As per the Comprehensive National Nutrition Survey (CNNS) Report (2016-18) brought out by this Ministry in collaboration with UNICEF, State/UT wise details of Vitamin D deficiency is placed at Annexure-I.

**STATE WISE PERCENTAGE OF CHILDREN OF AGE 1–4 YEARS, 5-9 YEARS AND  
ADOLESCENTS OF AGE 10-19 YEARS HAVING CLASSIFIED  
AS HAVING VITAMIN D DEFICIENCY**

All/ State wise	1– 4 years	5 - 9 years	10 - 19 years
	Percentage	Percentage	Percentage
<b>India</b>	13.8	18.2	23.9
Delhi	32.5	43.4	47.1
Haryana	27.6	45.5	53.8
Himachal Pradesh	4.6	15.4	17.6
Jammu & Kashmir	22.9	36.0	52.8
Punjab	52.1	76.1	68.0
Rajasthan	25.2	23.9	25.8
Uttarakhand	46.4	62.0	62.9
Chhattisgarh	10.5	18.5	21.6
Madhya Pradesh	7.7	19.7	23.0
Uttar Pradesh	13.2	12.3	19.4
Bihar	22.7	25.8	35.7
Jharkhand	19.2	20.0	29.6
Odisha	6.7	12.4	18.4
West Bengal	7.0	10.2	19.5
Arunachal Pradesh	7.3	14.3	21.9
Assam	1.1	4.0	7.1
Manipur	41.2	55.5	59.8
Meghalaya	2.1	5.8	6.6
Mizoram	5.5	9.0	13.4
Nagaland	2.2	4.1	7.4
Sikkim	14.2	18.3	18.8
Tripura	15.2	14.7	28.8
Goa	18.2	23.3	21.5
Gujarat	25.2	29.0	35.5
Maharashtra	12.8	17.6	22.1
Andhra Pradesh	4.9	10.3	15.9
Karnataka	4.8	8.5	15.6
Kerala	11.8	22.6	31.6
Tamil Nadu	1.4	5.4	9.8
Telangana	9.6	5.5	8.8

Source: Comprehensive National Nutrition Survey Report (2016-18)

Link: <https://www.nhm.gov.in/index1.php?lang=1&level=2&sublinkid=1332&lid=713>

Vitamin D Deficiency = Serum 25(OH)D concentration < 12ng/mL (30 nmol/L)