

ESTIMATING THE SKILL STOCK IN ODISHA

Leveraging a household survey conducted by the Centre for Monitoring Indian Economy to understand the supply of skills in Odisha.





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A. Introduction

The Centre for Monitoring Indian Economy (CMIE) periodically conducts household surveys, known as the Consumer Pyramids Household Survey (CPHS), across India to generate estimates of income, expenses, savings, borrowings, investments and ownership of assets of households. It also provides estimates of the age, gender, education, occupation, health and financial inclusion of individuals.

To study the supply of skills in India, the National Skill Development Corporation (NSDC) collaborated with CMIE and added skills-related questions in the 13th round of its CPHS conducted in January-April 2018. The objective was to gain a better understanding of the stock of skills existing in India, type of training programs that are taken up, benefits of formal training, source of skill acquisition for working persons, awareness about and willingness to enroll in formal training programs, among others.

The guiding principle used to understand skills is the following definition stated by the National Sample Survey Organization (NSSO):

'Any marketable expertise, however acquired, irrespective of whether marketed or not, and whether the intention is to market it or not, is considered as skill. Thus, a person holding a certificate/ diploma on an appropriate subject will be considered to possess the specified skill along with persons who have acquired the said skill without any such certificate/ diploma or even without attending any institution. When a person has acquired skill in more than one trade, the skill in which he is more (most) proficient is considered as his skill.'

Additionally, the NSSO notes that the primary objective of vocational education and training is to 'prepare persons, especially the youth, for the world of work and make them employable for a broad range of occupations in various industries and economic sectors or enable access opportunities of self-employment'. A similar observation has been made in National Industrial Classification (NIC)-2008- 'technical and vocational secondary education include programs that emphasize subject-matter specialization and instruction in both theoretical background and practical skills, generally associated with present or prospective employment'.

The NSSO also conducts household-based Employment Unemployment Surveys (EUS) in India to provide estimates for labour market indicators. The last quinquennial survey was undertaken in 2011-2012. Considering the need for more frequent labour force statistics, the first Periodic Labour Force Survey (PLFS) was conducted over July 2017-June 2018. While data on labour market indicators is available both from PLFS and CMIE, this report focuses only on descriptive findings obtained from an analysis of CMIE data.

This report presents findings for the state of Odisha. Findings at an all-India level and for other states are also available on request.



D. Insights from the Household Survey

I. Overview of Odisha's Labour Market

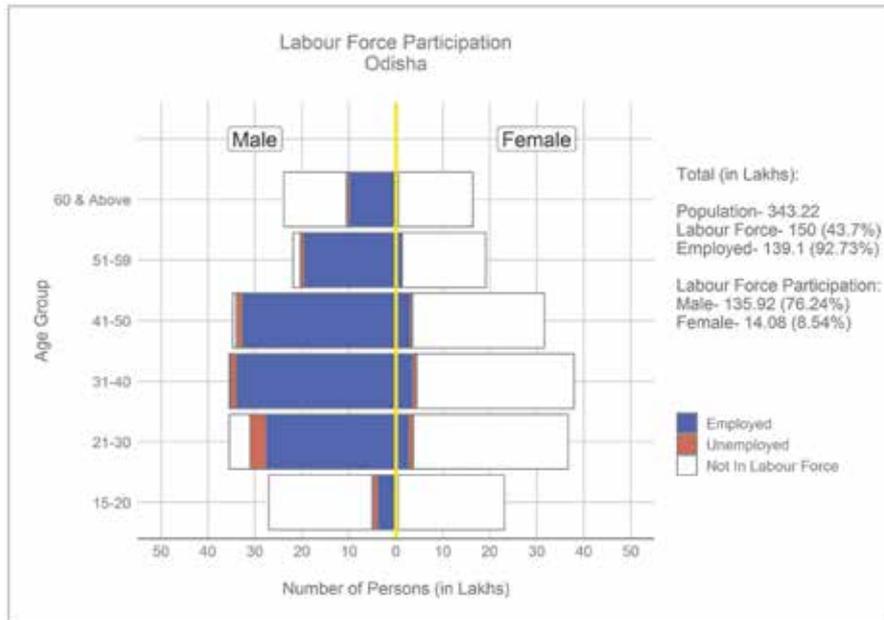


Figure 1

Population of persons aged 15 years and above in Odisha is 343.22 lakhs.

There are 150 lakhs persons in the labour force (persons who are either working or willing to work and actively looking for work).

7.3% of the state's labour force is unemployed. 52% of the unemployed are in the age-group of 15-30 years (5.9% of India's labour force is unemployed; 90% of the unemployed are in the age-group of 15-30 years).

Female labour force participation rate in the state is 9% (All-India Female labour force participation rate is 11.7%).

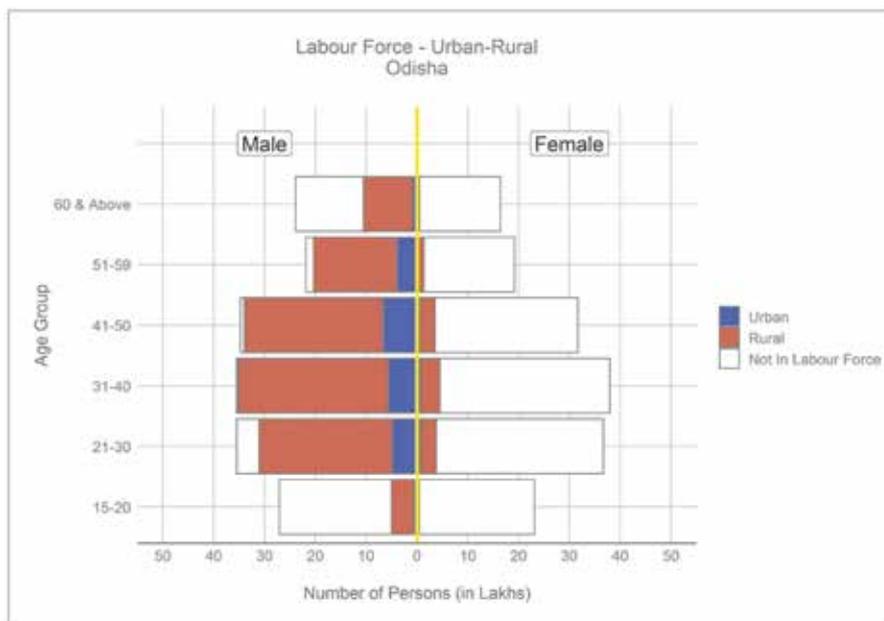


Figure 2

83% of the labour force in the state resides in rural areas (68% of India's labour force resides in rural areas).



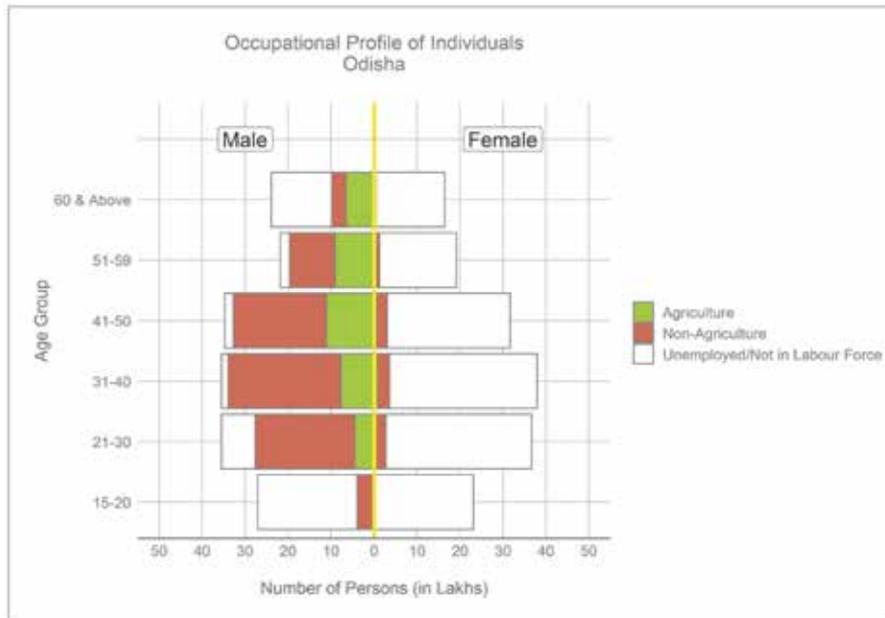


Figure 3

97.24 lakh (70%) persons are working in non-agriculture occupations and 41.87 lakh in agriculture (65% of all employed persons in India, are working in non-agricultural occupations).

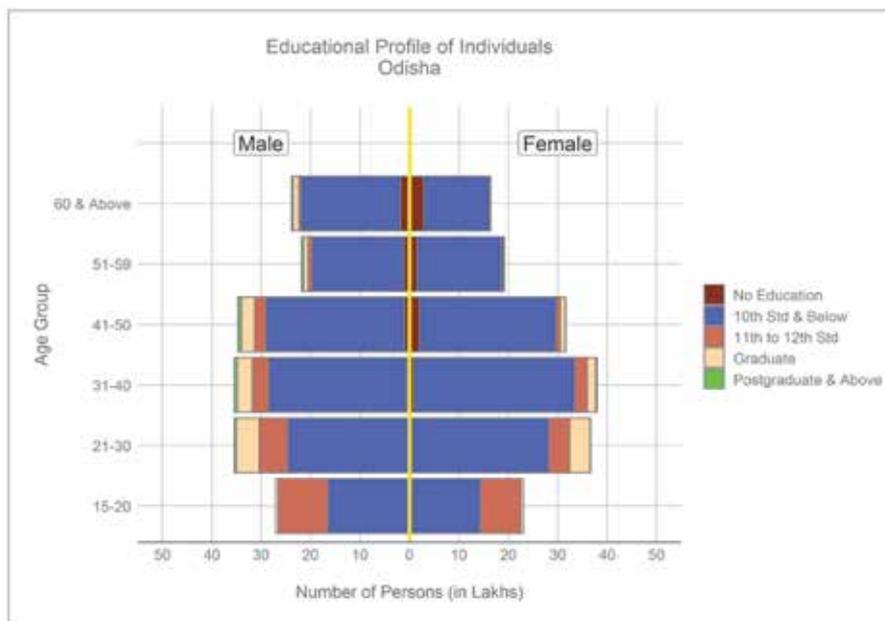


Figure 4

Out of all persons aged 15 years and above, 82% are 10th Std & Below (including No Education), 11% are 11th to 12th Std and 7% are Graduate & above.



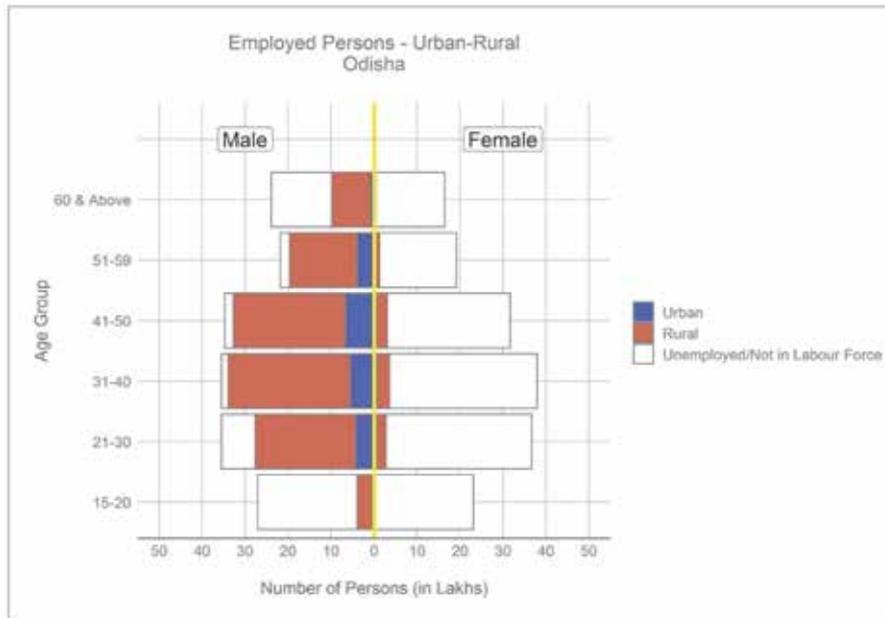


Figure 5

83% of all employed persons in the state are working in rural areas.

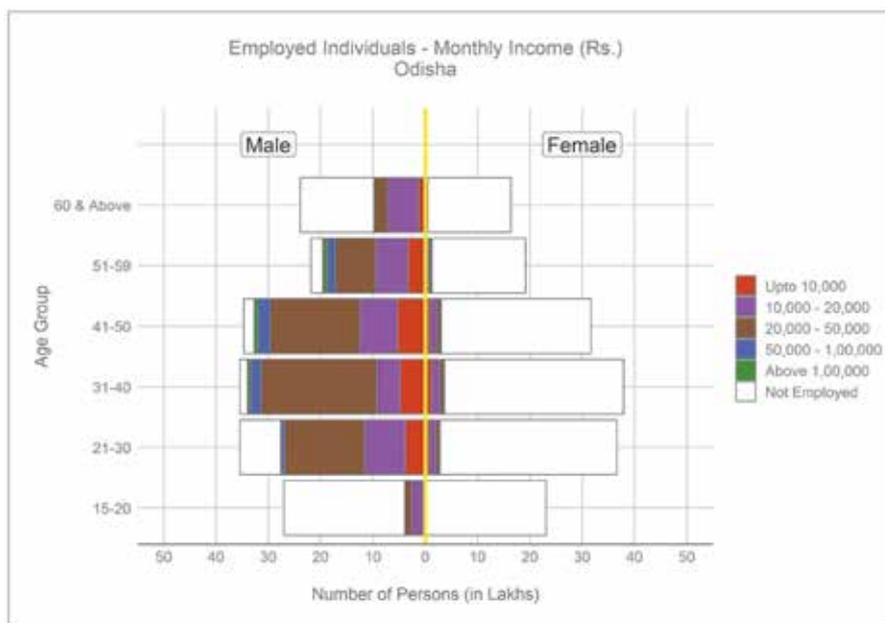


Figure 6

Among the employed persons in the state, 45% earn Rs. 20,000 or lower (All-India: 19%) and 48% earn between Rs. 20,001-50,000 (All-India: 51%).

Among the employed males, 42% earn Rs. 20,000 or lower (All-India: 16%), and 51% earn between Rs. 20,001-50,000 (All-India: 53%). Among the employed females in the state, 78% earn Rs. 20,000 or lower (All-India: 50%) and 17% earn between Rs. 20,001-50,000 (All-India: 37%).

In the following sections, respondents are classified into four categories (in line with the approach adopted in the survey questionnaire for capturing skill stock): Formally Vocationally Trained, Informally Skilled and Employed, Informally Skilled and Not Employed; Not Skilled and Not Employed. The characteristics of each category of persons are described, giving population estimates that are derived using survey weights.



II. Formal Vocational Training

1. Access to Formal Vocational Training

6.29 lakh persons (2% of population aged 15 years and above) are estimated to have received or are undergoing formal vocational training² (All-India: 2.16 crore, 2.2% of population aged 15 years and above). There are 4.44 lakh formally trained persons who are 15-30 years of age and 0.8 lakh 31-40 years of age. There are 1.89 lakh formally trained females (30% of all formally trained persons).

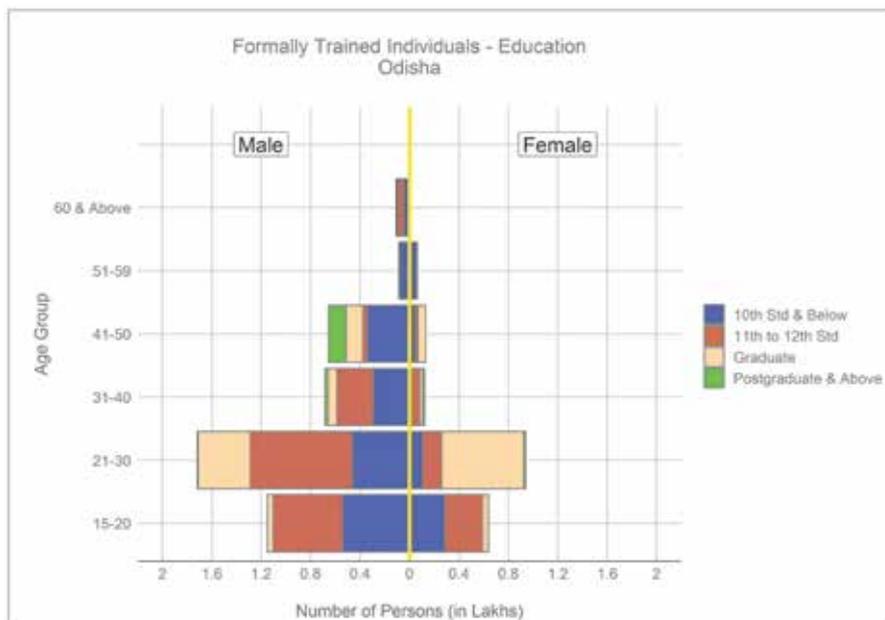


Figure 7

Out of all persons aged 15 years and above who received formal vocational training, 36.1% are 10th Std & Below, 36.9% are 11th to 12th Std and 27% are Graduate & above (at all-India level, 35% are 10th Std & Below/Not Educated, 26% are 11th to 12th Std and 38.9% are Graduate & above).

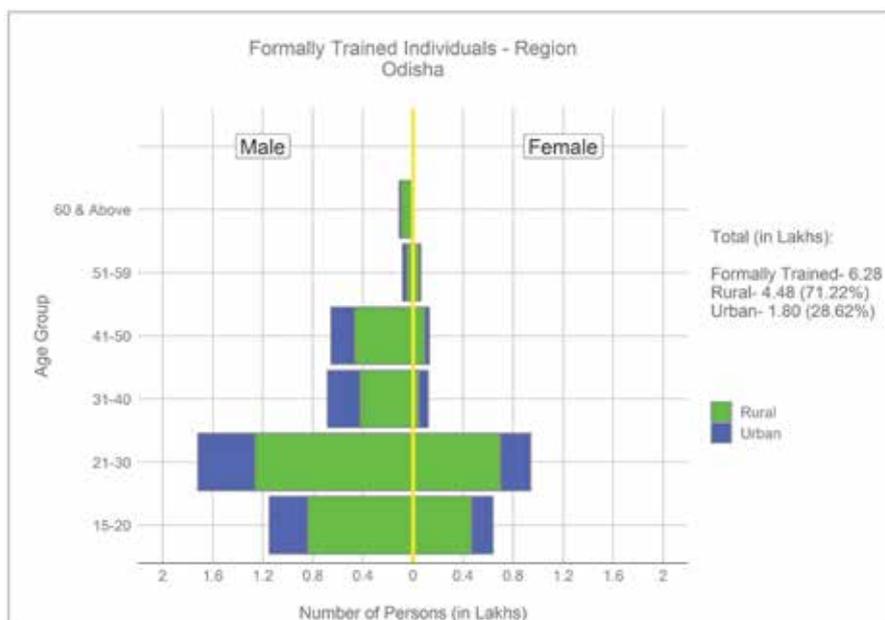


Figure 8

71% of formally trained persons in the state reside in rural areas (54.7% of all formally trained persons in India, reside in rural areas).

² Formal vocational training: Follows a structured training program (prescribed syllabus and curriculum; specified duration; eligibility in terms of education and age) and leads to certificates, diplomas or degrees, recognized by State/Central Government, Public Sector and other reputed concerns.



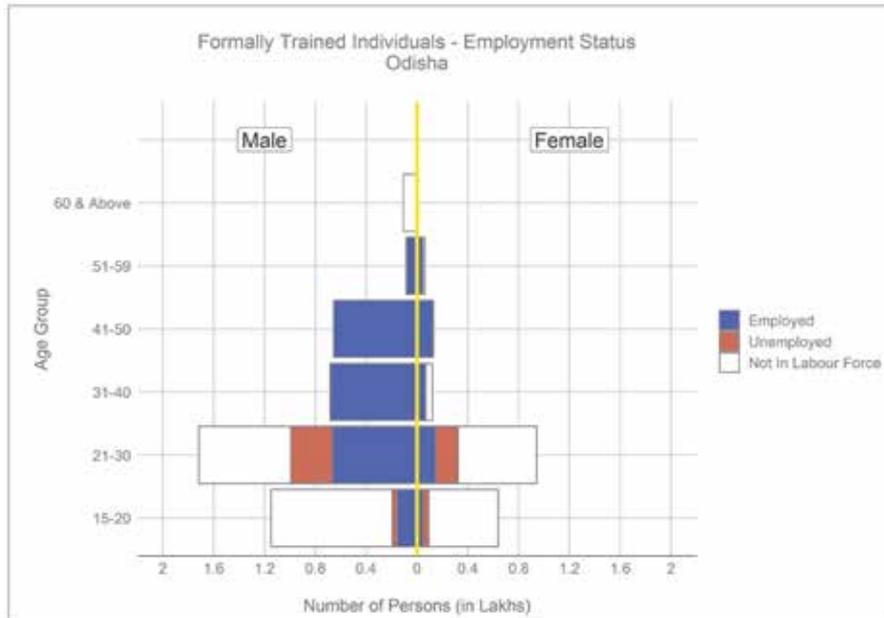


Figure 9

Number of formally trained persons aged 15 years and above in Odisha is 6.29 lakhs. Among the formally trained persons, there are 3.26 lakh persons in the labour force (persons who are either working or willing to work and actively looking for work).

18% of this labour force is unemployed (11% of the formally trained labour force in India, are unemployed). 84.7% of the unemployed are in the age-group of 21-30 years. (All India:73% of the unemployed are in the age-group of 21-30 years).

Female labour force participation rate among the formally trained is 35% in Odisha (All-India female labour force participation rate for formally trained females is 58%).

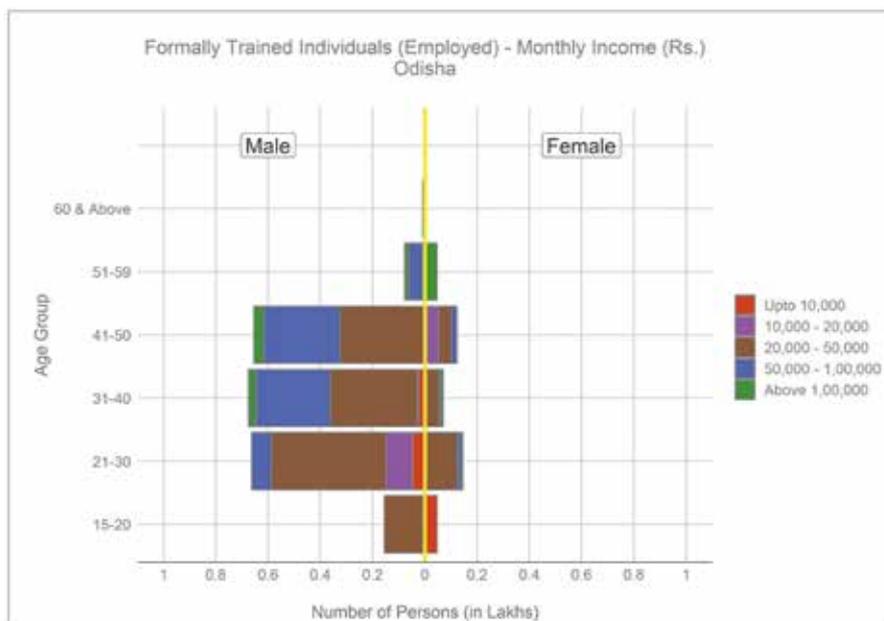


Figure10

Among the employed persons who have received formal vocational training in the state, 11% earn Rs. 20000 or lower (All-India: 8%) and 55% earn between Rs. 20,001-50,000 (All-India: 37%).

Among the employed males who have received formal vocational training in the state, 8% earn Rs. 20000 or lower (All-India: 5%) and 56% earn between Rs. 20,001-50,000 (All-India: 33%). Among the employed females who have received formal vocational training in the state, 27% earn Rs. 20000 or lower (All-India: 14%) and 48% earn between Rs. 20,001-50,000 (All-India: 57%).



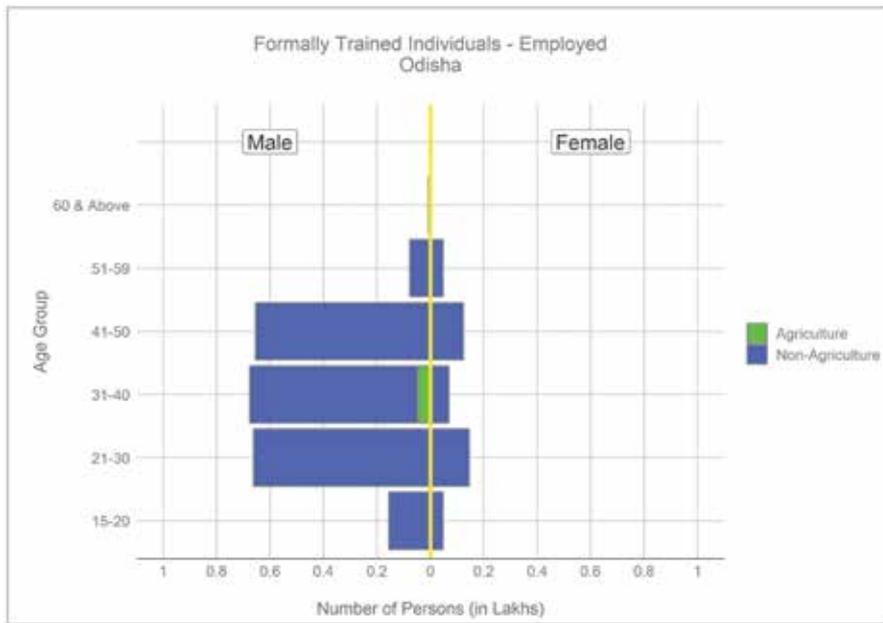


Figure11

2.61 lakh (98%) employed persons in the state who have received formal vocational training are working in non-agriculture occupations and 0.05 lakh in agriculture (85% of all formally trained persons in India, are working in non-agricultural occupations).

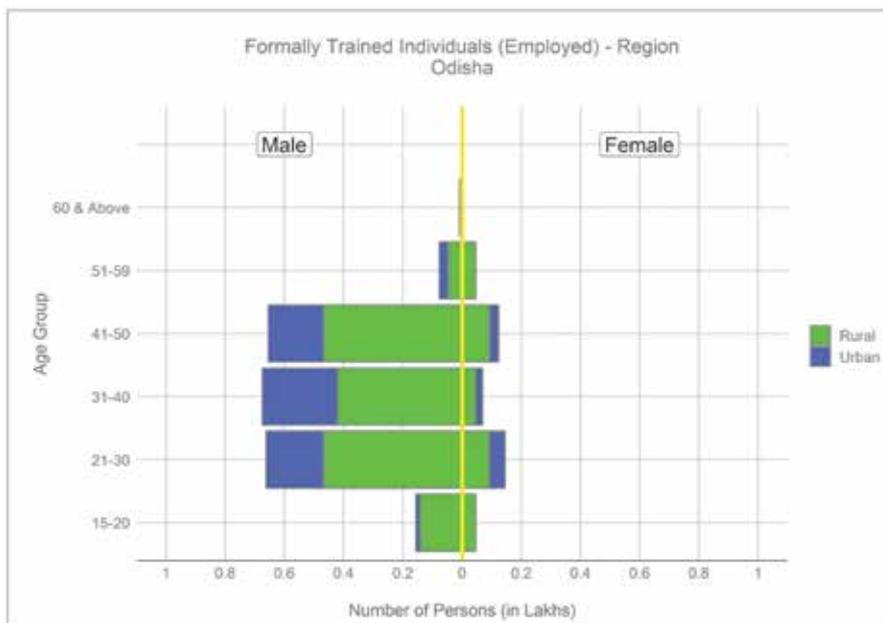


Figure12

70% of formally trained and employed persons in the state reside in rural areas (55% of formally trained and employed persons in India, reside in rural areas).



2. Duration of Course

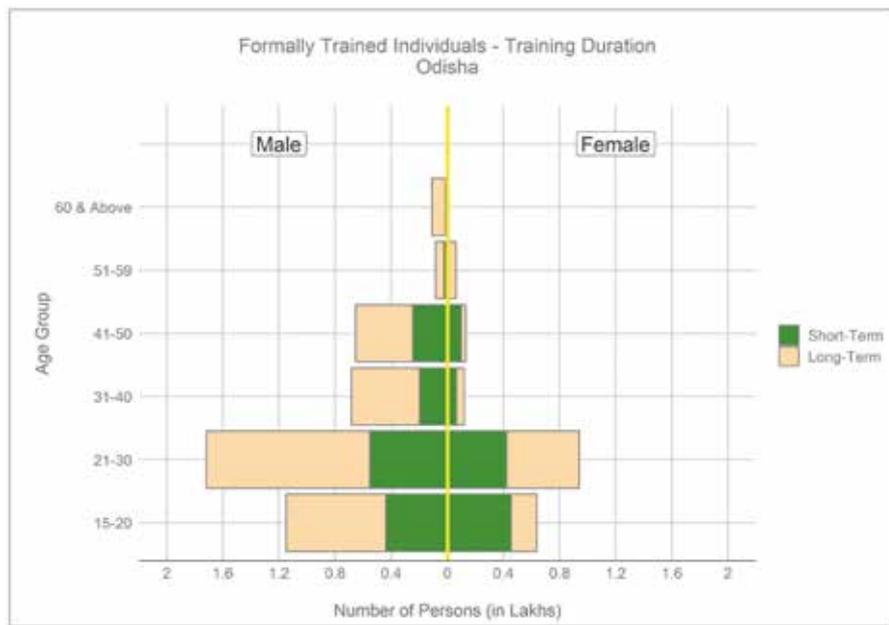


Figure 13

40% of formally trained persons in the state took up short-term training (69% of all formally trained persons in India, took up short term training).

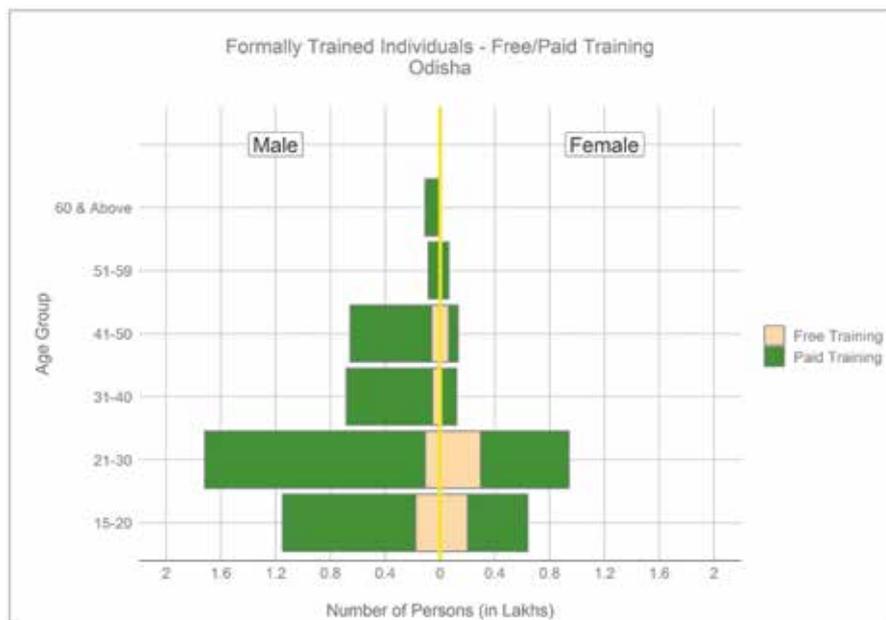


Figure 14

84% of formally trained persons in the state took up paid training (56% of all formally trained persons in India, took up paid training).



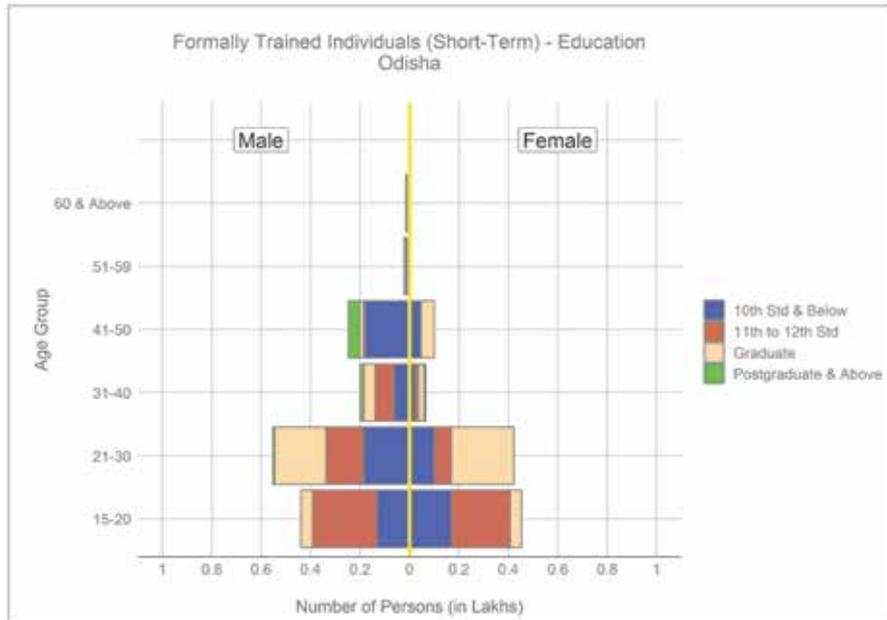


Figure 15

Out of all persons aged 15 years and above who received short-term formal vocational training: 36.1% are 10th Std & Below, 32.6% are 11th to 12th Std and 31.3% are Graduate & above (At all-India level: 38% are 10th Std & Below/ Not Educated, 27.2% are 11th to 12th Std, 34.7% are Graduate & above).

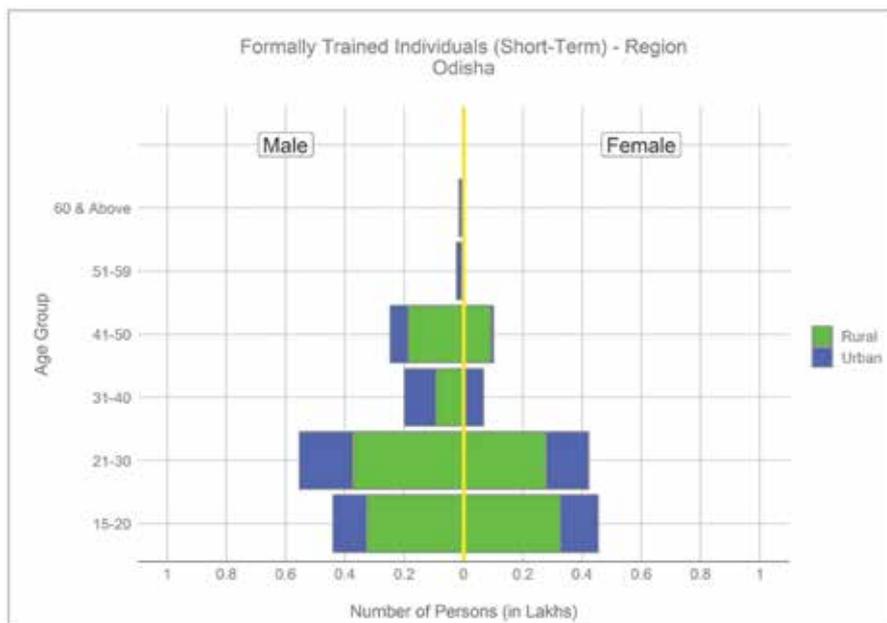


Figure 16

67% of formally trained persons who took up short-term training in the state resides in rural areas (All-India: 54% of all formally trained persons in India, who took up short-term training, reside in- rural areas).



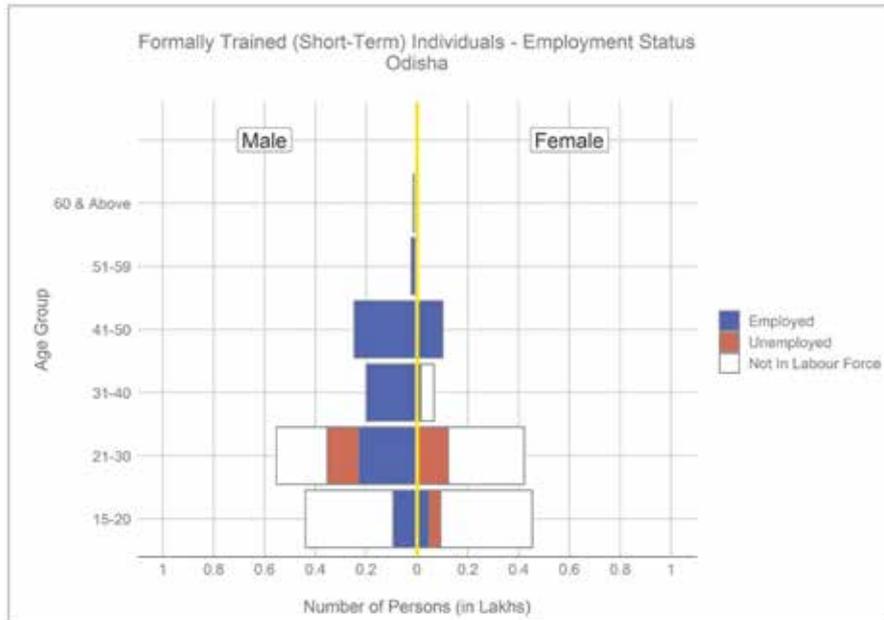


Figure 17

Number of formally trained persons in short-term training aged 15 years and above in Odisha is 2.52 lakhs. There are 1.25 lakh persons in the labour force (persons who are either working or willing to work and actively looking for work).

23% of this labour force is unemployed (All-India: 11%). 84% of the unemployed are in the age-group of 21-30 years (70% of the unemployed persons in India are in the age-group of 21-30 years).

Female labour force participation rate is 32% (All-India: 58%).

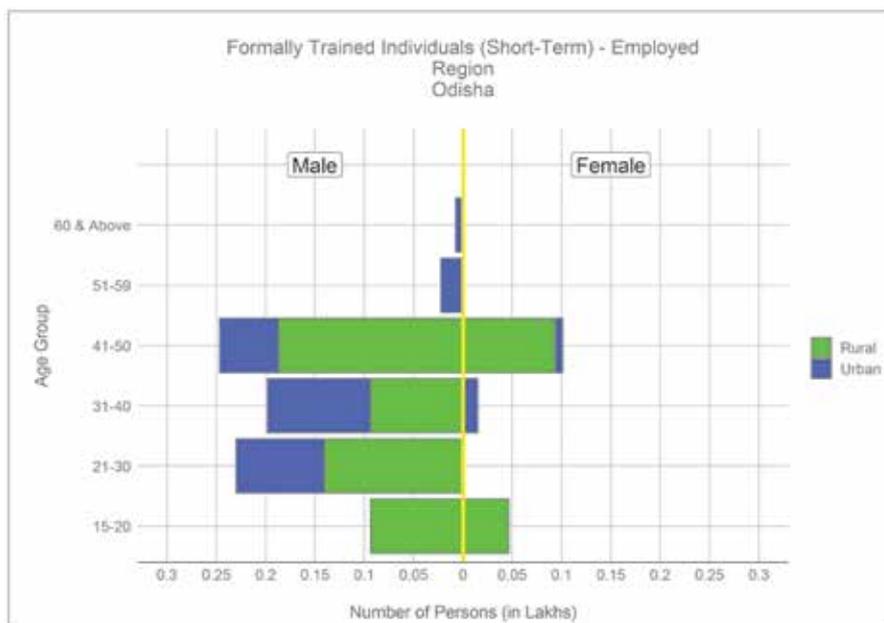


Figure 18

68% of formally trained persons, who took up short-term training and are employed, reside in rural areas (All-India: 54% resides in rural areas).



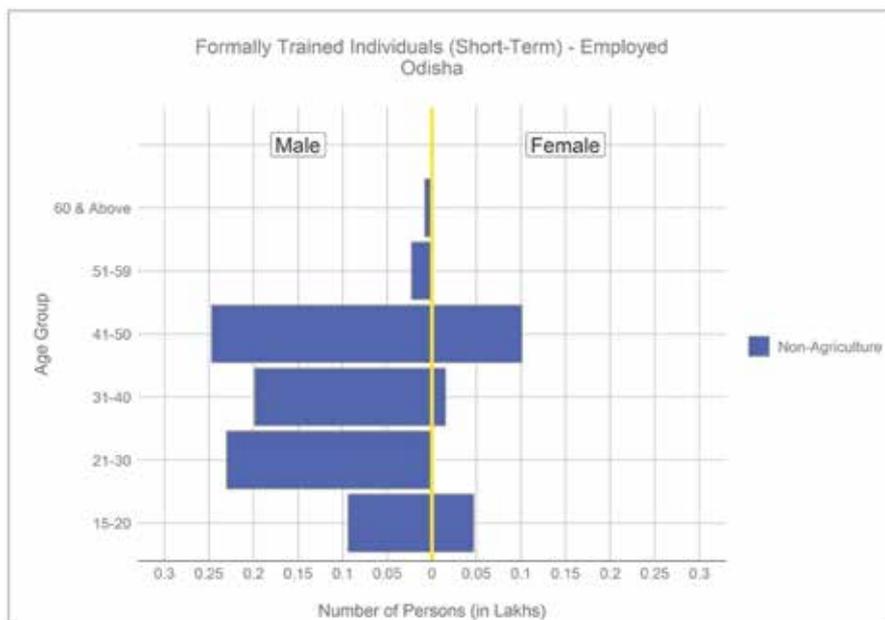


Figure 19

100% (0.96 lakh) of employed persons who are formally trained in short-term trainings, are working in non-agriculture occupations (All-India: 85% are working in non-agricultural occupations, 15% are working in agricultural occupations).

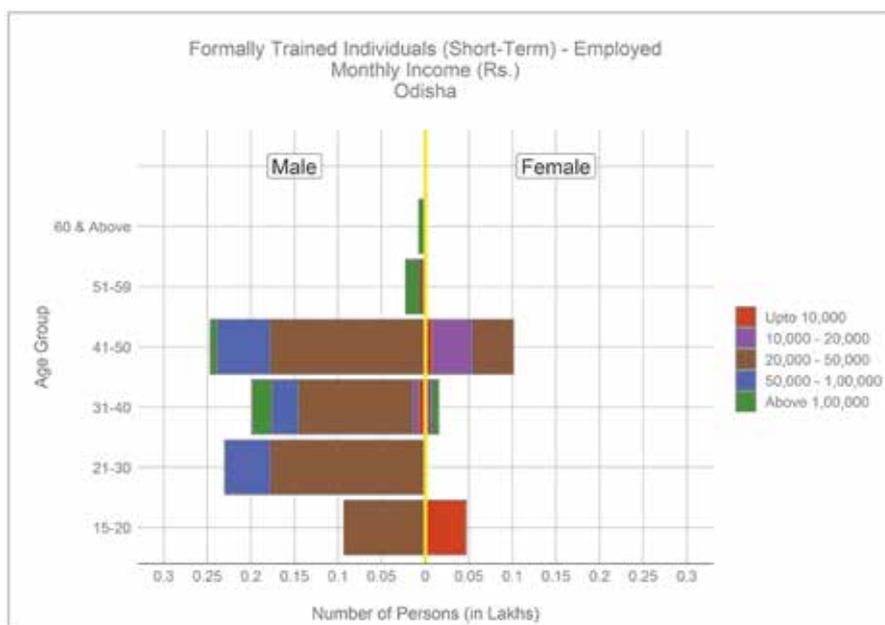


Figure 20

Among the employed persons who have received short-term formal vocational training in the state, 12% earn Rs. 20000 or lower (All-India: 7%) and 66% earn between Rs. 20,001-50,000 (All-India: 38%).

Among the employed males who have received short-term formal vocational training in the state, 2% earn Rs. 20000 or lower (All-India: 5%) and 74% earn between Rs. 20,001-50,000 (All-India: 34%). Among the employed females who have received short-term formal vocational training in the state, 66% earn Rs. 20000 or lower (All-India: 16%) and 29% earn between Rs. 20,001-50,000 (All-India: 59%).



3. Benefits of Formal Vocational Training

The following subsections describe the benefits perceived by three categories of formally vocationally trained persons - i) employed; ii) those who are currently not working but worked post training; and iii) those who did not work any time after training.

a. Employed

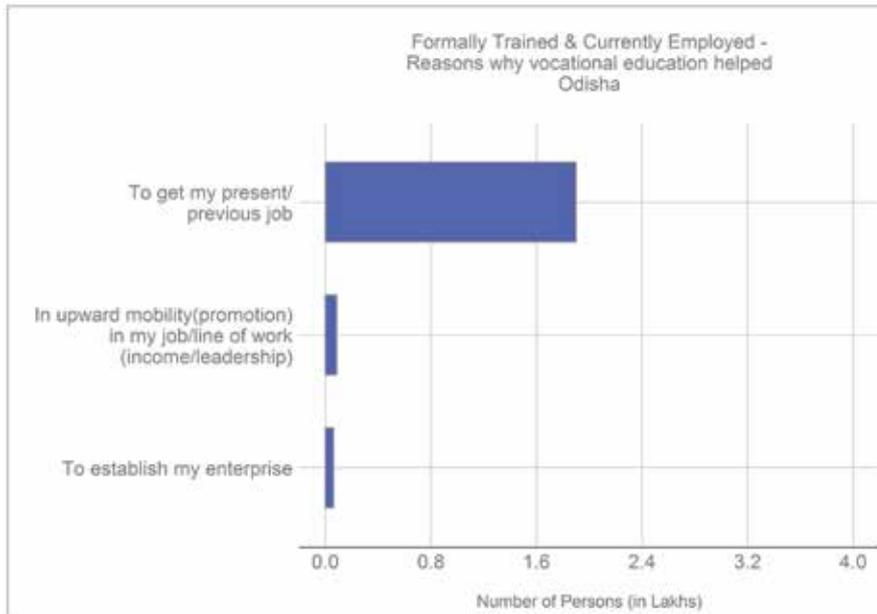


Figure 21

Among 2.55 lakh formally trained and currently employed persons, 80% reported that vocational training helped. Out of those who reported reasons why vocational training helped, 93% stated the reason as - to get my present/previous job (At all-India level- 71% of formally trained and currently employed persons reported that vocational training helped. Out of those who reported reasons why vocational training helped, 76% stated the reason as- to get my present or previous job).

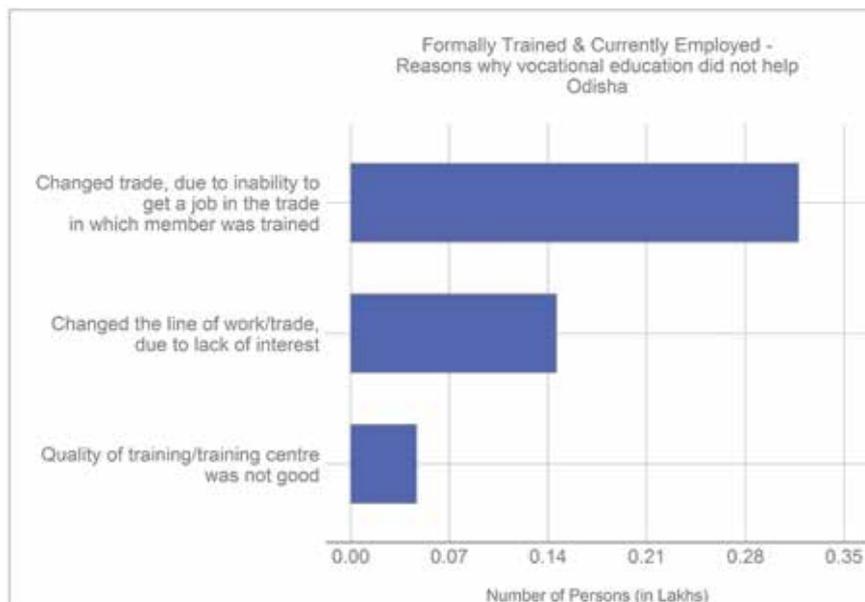


Figure 22

Among 2.55 lakh formally trained and currently employed persons, 20% reported that vocational training did not help. Out of those who reported reasons why vocational training did not help, 62% stated the reason as - changed trade, due to inability to get a job in the trade in which member was trained (At all-India: 29% of formally trained and currently employed persons reported that vocational training did not help. Out of those who reported reasons why vocational training did not help, 41% stated the reason as- changed the line of work or trade, due to lack of interest).



b. Currently not working, but worked post training

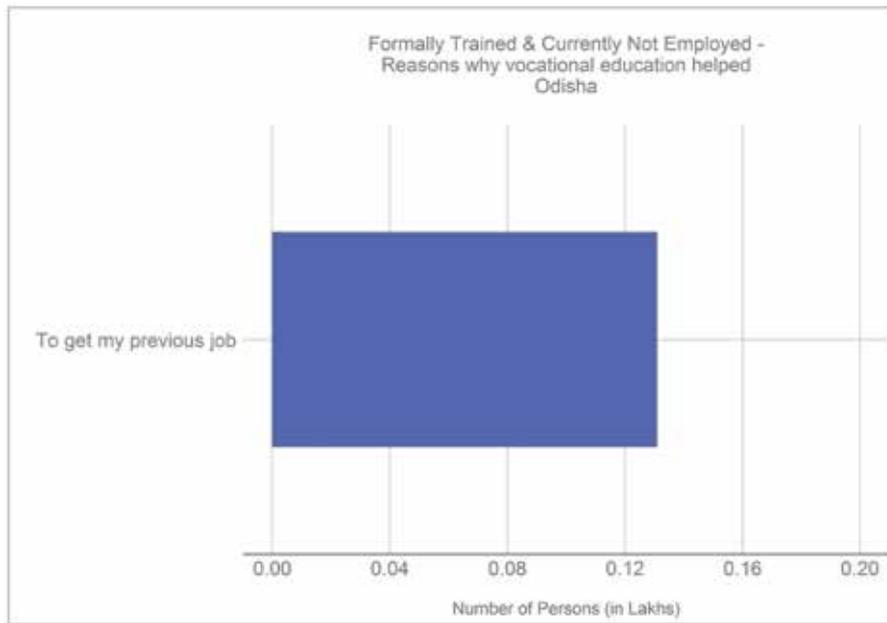


Figure 23

Among 0.13 lakh formally trained and currently not employed persons, 100% reported that vocational training helped. Out of those who reported reasons why vocational training helped, 100% stated the reason as - to get my previous job (At all-India level- 74% of formally trained and currently not employed persons reported that vocational training helped. Out of those who reported reasons why vocational training helped, 77% stated the reason as- to get my previous job).

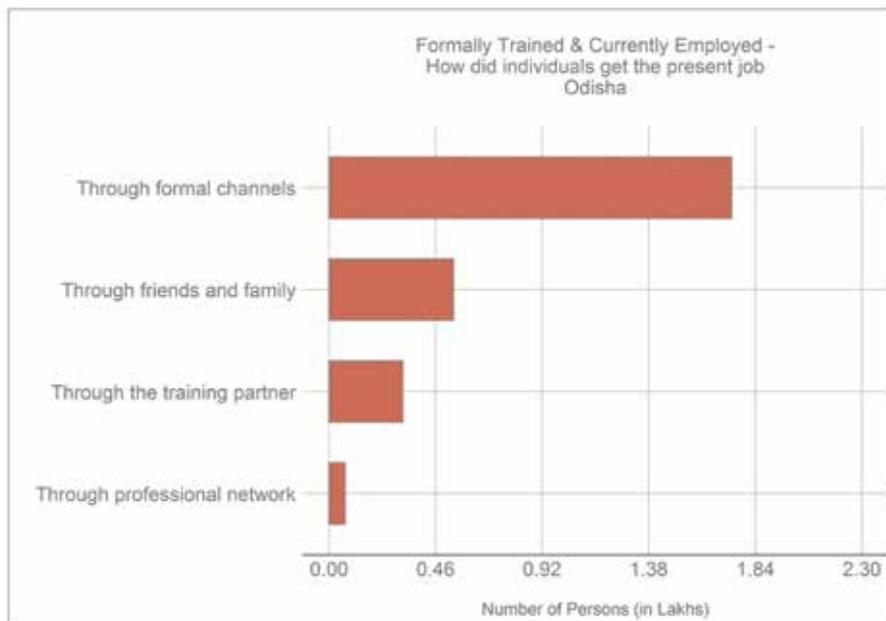


Figure 24

Formally trained and currently employed persons were asked how they got their present job. 65% reported that they got their job- through formal channels.



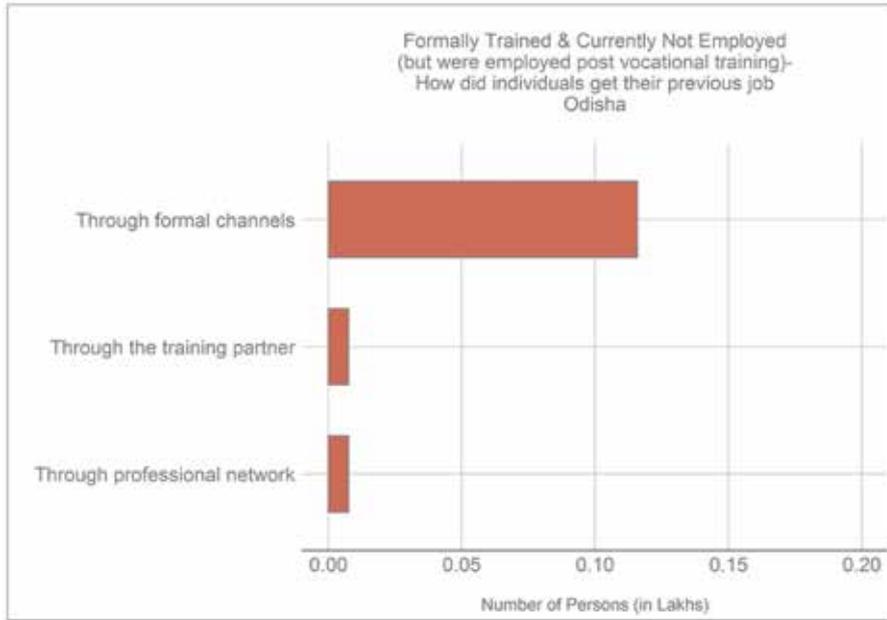


Figure 25

Those who got a job after training but are currently not working, were asked how they got their previous job. 89% reported that they got their previous job- through formal channels.

c. **Not worked any time post training**

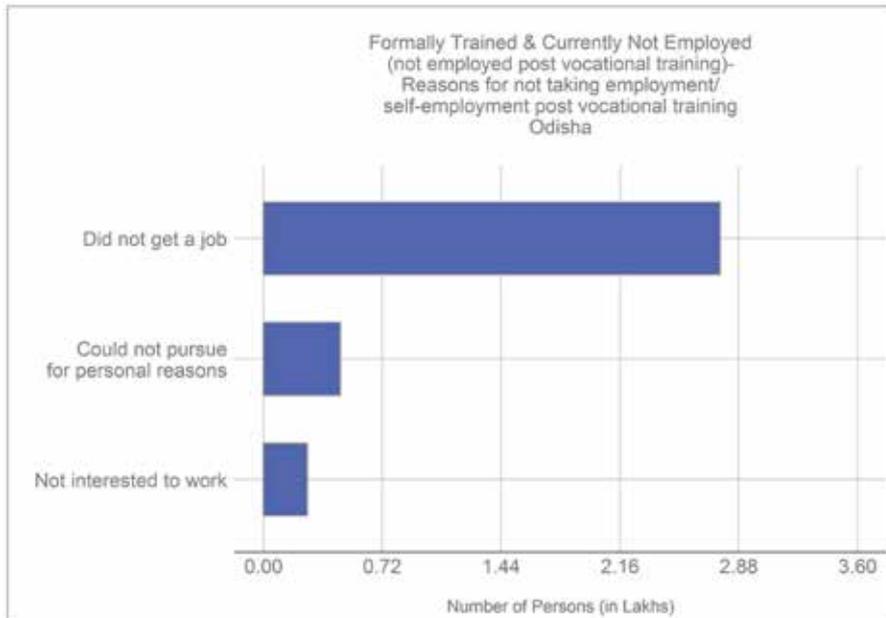


Figure 26

Formally trained persons, who did not work any time after training, were asked the reason for not taking up employment. 79% reported the reason as -did not get a job.



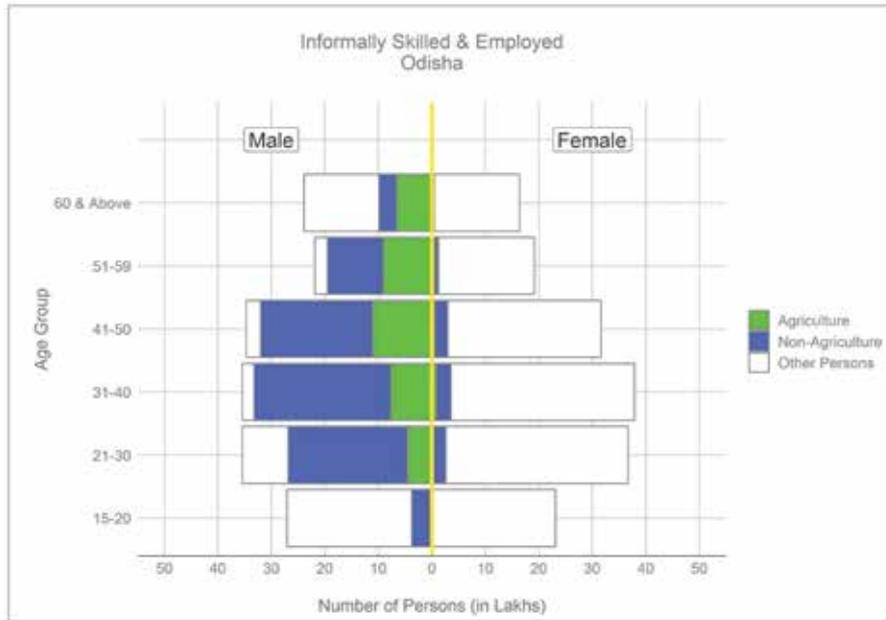


Figure 28

69% (94.33 lakh) employed persons, who are informally skilled, are working in non-agriculture occupations and 31% (41.82 lakhs) in agriculture (64% of all employed persons in India, who are informally skilled, are working in non-agricultural occupations).

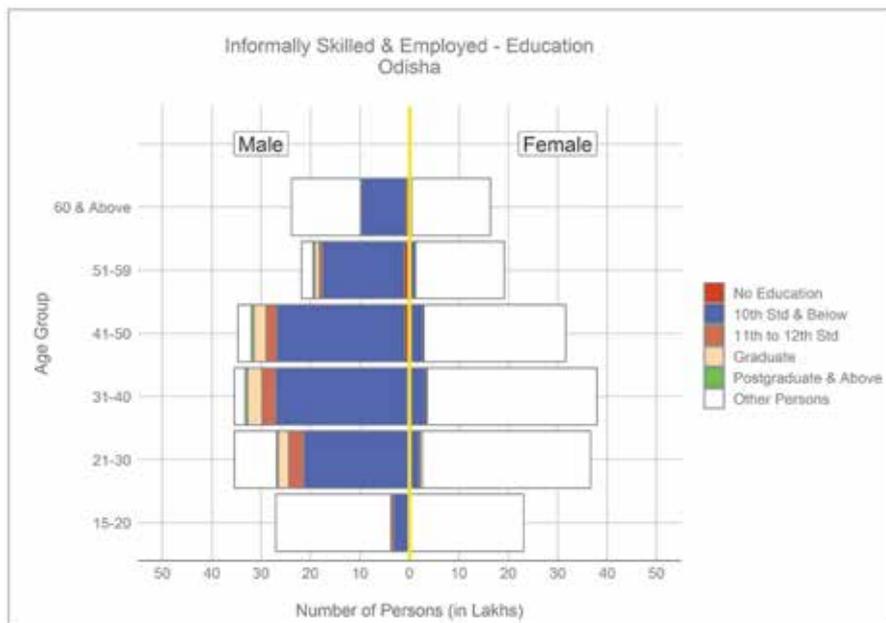


Figure 29

Out of all persons aged 15 years and above who are informally skilled and employed, 84% are 10th Std & Below (including No Education), 7% are 11th to 12th Std and 8% are Graduate & above (At all-India level: the respective numbers are as follows: 75% are 10th Std & Below (including No Education), 13% are 11th to 12th Std, 12% are Graduate & above).



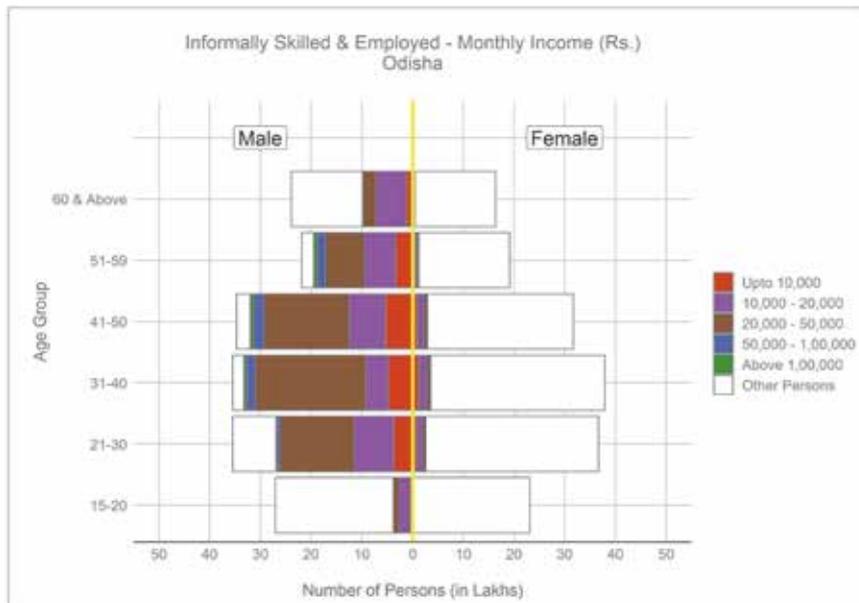


Figure 30

Among the employed persons who are informally skilled in the state, 45% earn Rs. 20,000 or lower (All-India: 21%) and 48% earn between Rs. 20,001-50,000 (All-India: 52%).

Among the employed males who are informally skilled in the state, 43% earn Rs. 20,000 or lower (All-India: 16%) and 51% earn between Rs. 20,001-50,000 (All-India: 54%). Among the employed females who are informally skilled in the state, 79% earn Rs. 20,000 or lower (All-India: 52%) and 16% earn between Rs. 20,001-50,000 (All-India: 36%).



To understand the segment consisting of 'informally skilled and employed persons' better, consider the following characteristics.

1. Years of Experience and Source of Skill Acquisition

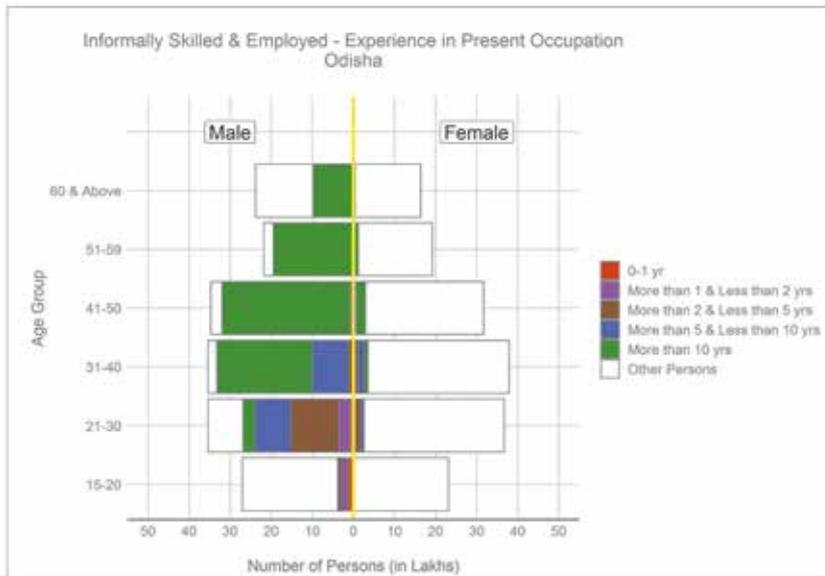


Figure 31

67% of informally skilled and employed persons in the state have work experience of- more than 10 years (67% of informally skilled and employed persons in India, have work experience of- more than 10 years).

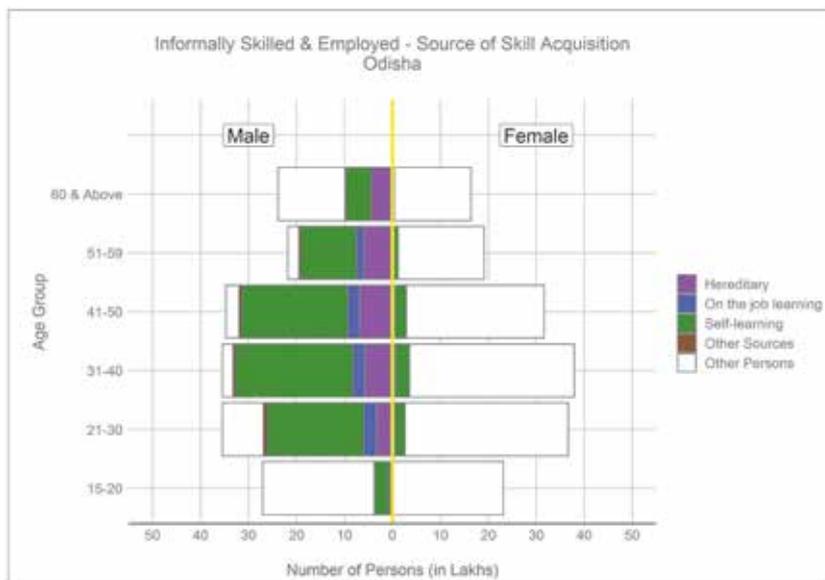


Figure 32

Informally skilled and employed persons were asked their source of skill acquisition. 20% reported 'Hereditary'³, 8% acquired 'On the job learning', 70% through 'Self-learning' and 2% through 'Other sources'.

2. Awareness About Formal Skill Development Programs

52.35 lakh informally skilled and employed persons are aware of formal skill development programs. 38.55 lakh are working as workers/labourers or small farmers, fishers, hunters or service and sales force.

³ Hereditary: Expertise for a vocation or trade acquired from other household members through gradual exposure; Self-learning: Expertise acquired by a person through his/her own effort; Learning on the job: Expertise acquired by a person while in employment (current and/or past), either through informal training by the employer or organisation or through the exposure to the job; Other: Expertise developed even from the household members, provided the said vocation or trade was different from the one related to their ancestors



3. Willingness to Enroll in Formal Skill Development Programmes

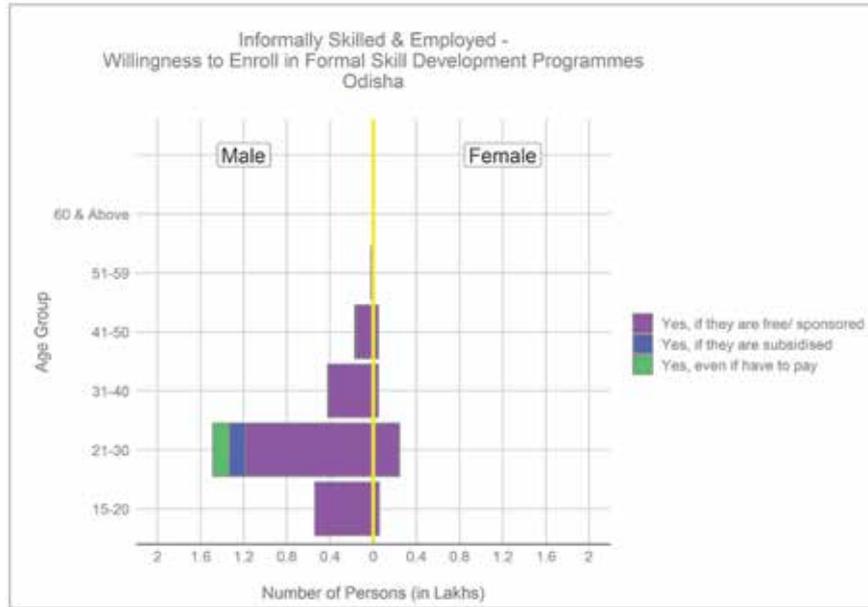


Figure 33

Informally skilled and employed persons were asked their willingness to enroll in formal training. Out of those who said Yes, 89% reported- Yes, if they are free/sponsored.

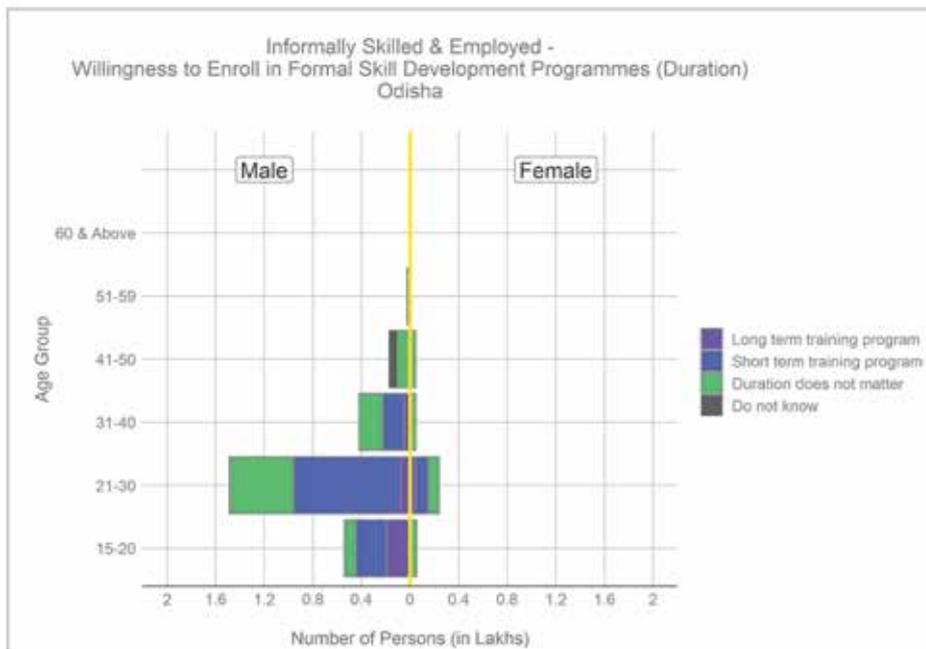


Figure 34

Informally skilled and employed persons who are willing to enroll in formal training were asked about their preferred duration of training. 48% respondents prefer short-term training program.



IV. Informally Skilled and Not Employed

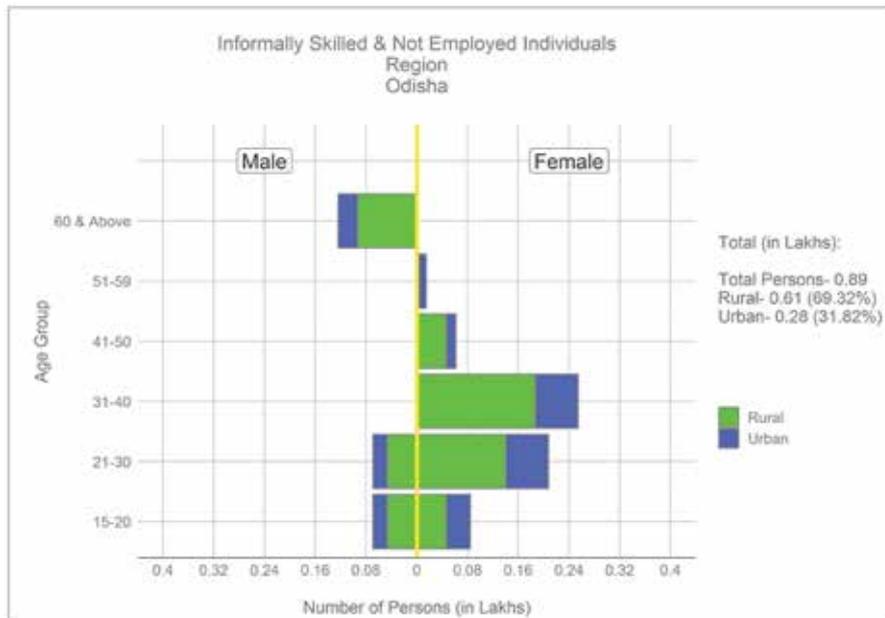


Figure 35

69% of informally skilled and not employed persons in the state resides in rural areas (64% of informally skilled and not employed persons in India, reside in rural areas).

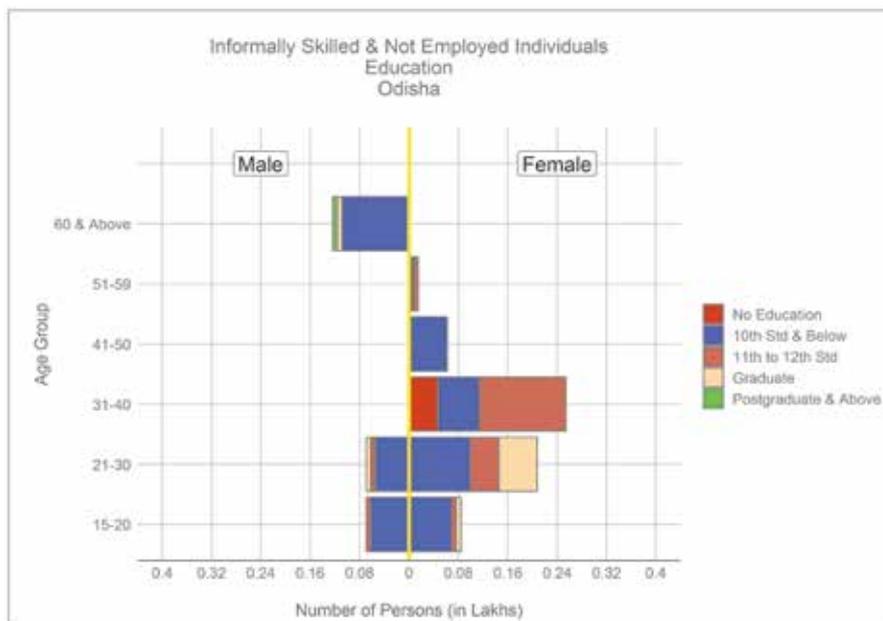


Figure 36

Out of all persons aged 15 years and above who are informally skilled and not employed, 65% are 10th Std & Below (including No Education), 25% are 11th to 12th Std and 10% are Graduate & above (All-India: 60% are 10th Std & Below (including No Education), 26% are 11th to 12th Std, 15% are Graduate & above).



1. Source of Skill Acquisition

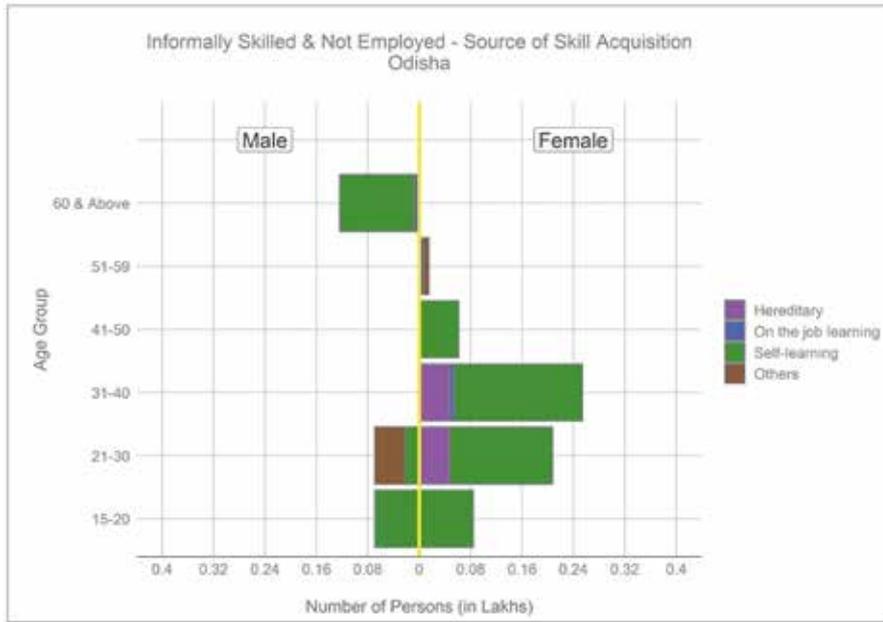


Figure 37

Informally skilled and not employed persons were asked their source of skill acquisition. 11% reported 'hereditary', 3% acquired 'on the job learning', 81% through 'self-learning' and 6% 'through other sources'.

2. Awareness About Formal Skill Development Programs

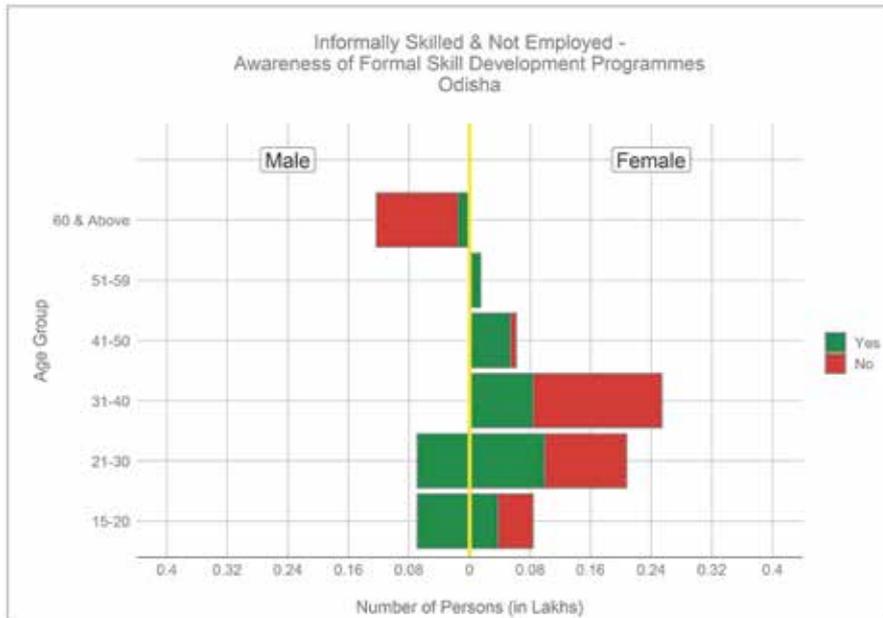


Figure 38

Informally skilled and not employed persons were asked whether they are aware of any formal skill development programs and 50% reported that they are aware.



3. Willingness to Enroll in Formal Skill Development Programs

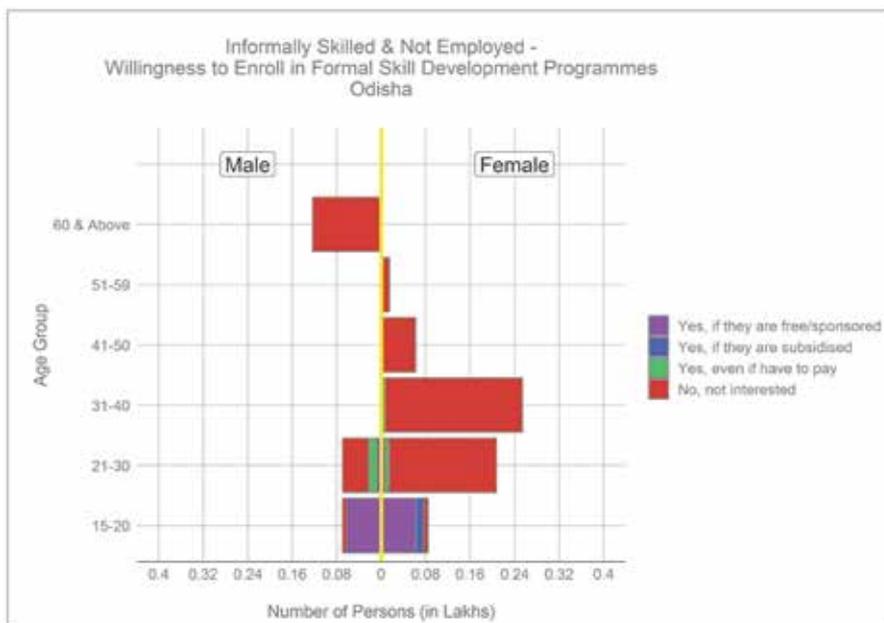


Figure 39

Informally skilled and not employed persons were asked their willingness to enroll in formal training. Among those who are willing to enroll, 71% reported- Yes, if they are free/sponsored.

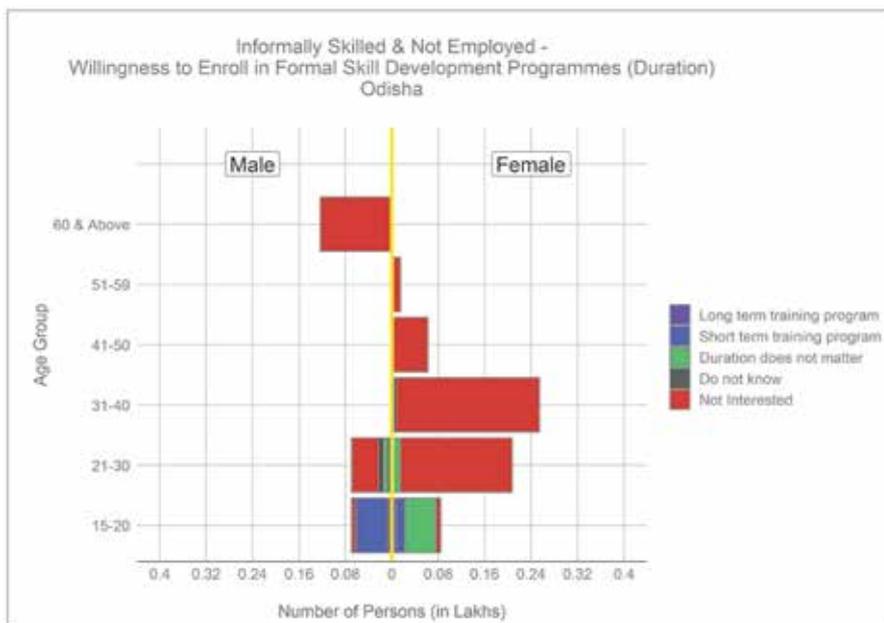


Figure 40

Informally skilled and not employed persons who are willing to enroll in formal training, were asked about training duration. Maximum (42%) respondents reported- duration does not matter.



Adding up across the Employed and Not Employed categories, there are an estimated 137 lakh persons (All-India: 39 crore) (40% of the state's population aged 15 years and above, compared to the All-India figure at 40%) with informally acquired skills. Over 33.9 lakh informally skilled persons are 15-30 years of age (All-India: 10.6 crore) and 72 lakh 31-50 years of age (All-India: 20.4 crore).

115.6 lakh (84%) informally skilled persons are 10th Std & Below/Not Educated (All-India: 2.4 crore, 75%), 10.2 lakh (7%) are 11th to 12th Std (All-India: 32 crore, 13%), 11.2 lakh (8%) are Graduate & above (All-India: 4.6 crore, 12%).

113.9 lakh informally skilled persons are in rural regions (All-India: 26.9 crore).

Nearly 52.8 lakh informally skilled persons are aware of formal skill development programs (All-India: 5.6 crore).

3.2 lakh are willing to enroll for formal programs (All-India: 4.24 crore), of which 2.8 lakh would like to enroll if the training is free/sponsored (All-India: 2.8 crore), 0.2 lakh if it is subsidized (All-India: 0.93 crore), and 0.2 lakh even if they have to pay (All-India: 0.52 crore).

1.5 lakh are willing to enroll in short-term programs (All-India: 2.95 crore) and 0.4 lakh in long-term (All-India: 0.46 crore). There are 1.2 lakh persons who are willing to enroll in formal programs and the duration of training does not matter for them (All-India: 0.47 crore).

V. Not Skilled and Not Employed

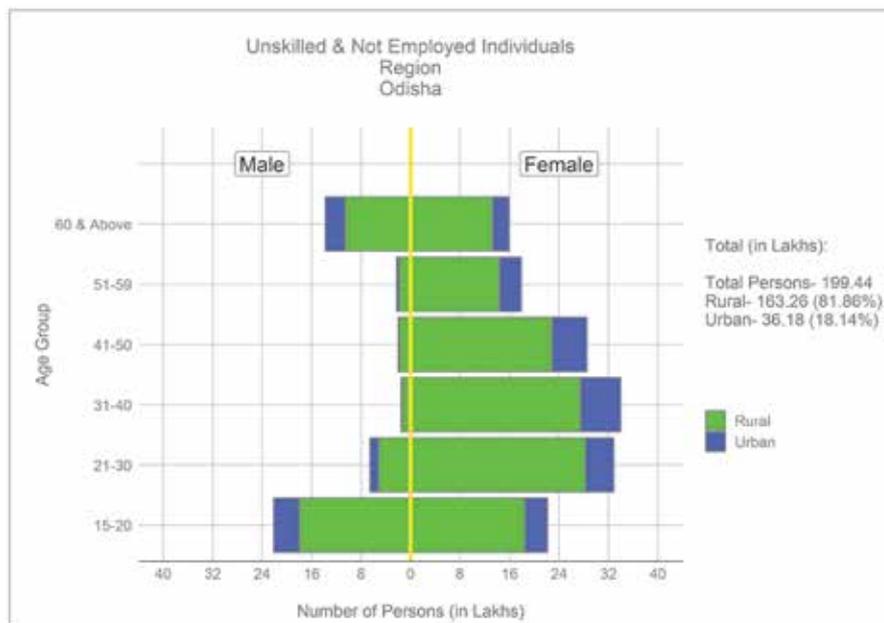


Figure 41

82% of persons, who say they do not possess any skills in the state and are not employed, reside in rural areas (65% of unskilled and not employed persons in India reside in rural areas).



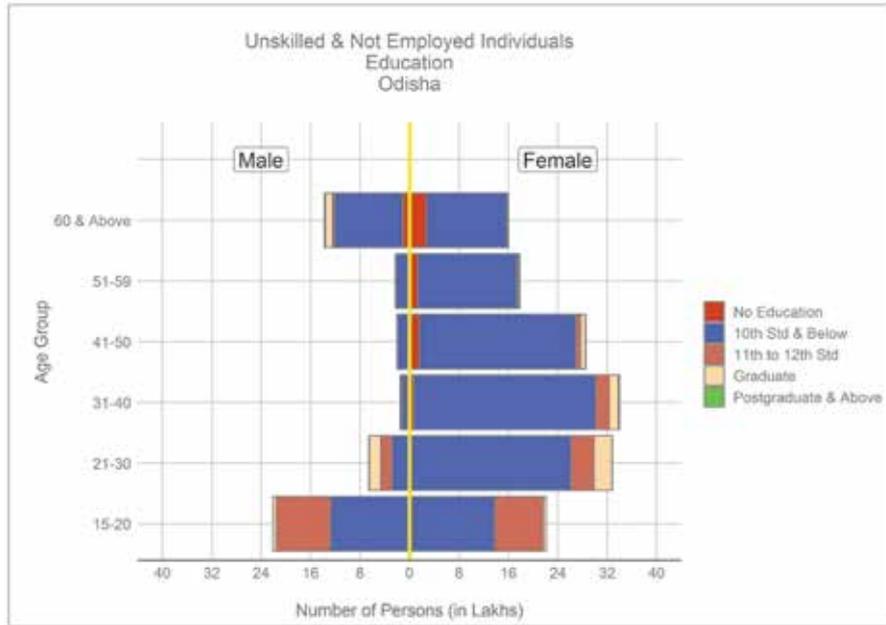


Figure 42

Out of all persons aged 15 years and above who say they do not possess any skills and are not employed, 82% are 10th Std & Below (including No Education), 13% are 11th to 12th Std and 5% are Graduate & above (All-India: 75% are 10th Std & Below (including No Education), 16% are 11th to 12th Std, 8% are Graduate & above).

1. Awareness About Formal Skill Development Programs

77.37 lakh persons do not possess any skill but are aware of formal skill development programs. 39.52 lakh (51%) are 15-30 years of age and 56.98 lakh (74%) are females.

2. Willingness to Enroll in Formal Skill Development Programs

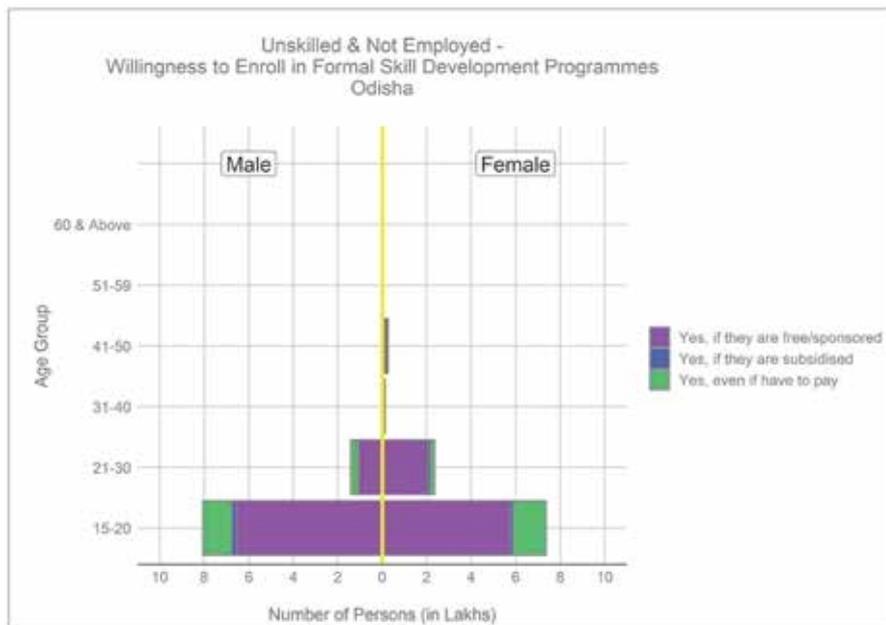


Figure 43

Among persons who said that they do not possess any skills (are not employed and willing to enroll in formal training) 80% reported- Yes, if they are free/sponsored.



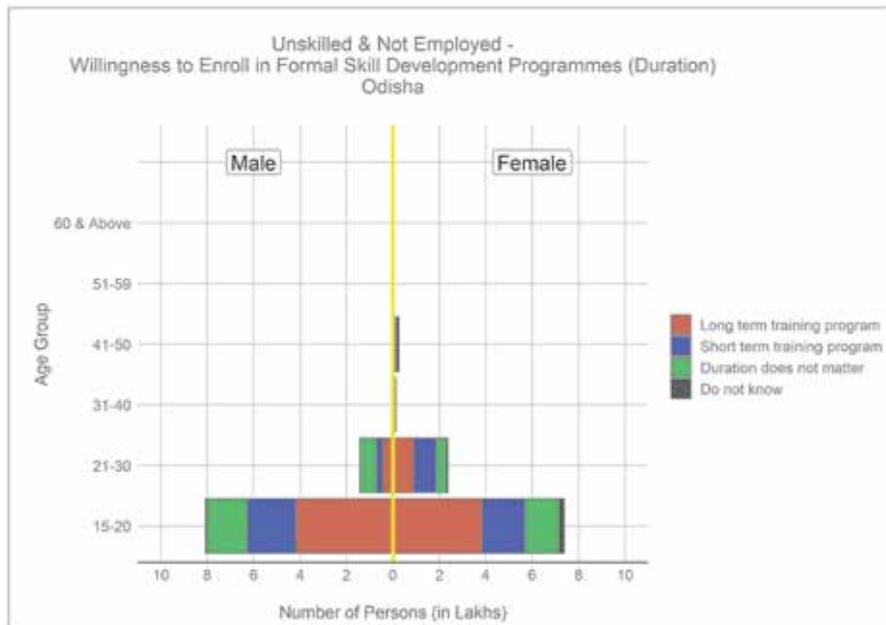


Figure 44

Persons who say they do not possess any skills (are not employed and are willing to enroll in formal training) were asked about training duration. Maximum (48%) respondents reported Long-term training program.





Tables

These Tables have been numbered corresponding to each chart. For example, Table 1 corresponds to Figure 1, and so on.

Gender	Age Group (in Years)	Employed (in Lakhs)	Unemployed (in Lakhs)	Not In Labour Force (in Lakhs)
Female	15-20	0.3	0.16	22.66
	21-30	2.78	0.99	32.9
	31-40	3.64	0.81	33.46
	41-50	3.07	0.49	28.09
	51-59	1.28	0.05	17.85
	60 & Above	0.46	0.05	15.89
Total (Female)		11.53	2.55	150.85
Male	15-20	3.9	1.11	22.03
	21-30	27.62	3.4	4.42
	31-40	33.93	1.23	0.27
	41-50	32.71	1.23	0.73
	51-59	19.57	0.74	1.52
	60 & Above	9.83	0.63	13.39
Total (Male)		127.57	8.35	42.37
Total		139.1	10.9	193.22

Table 1

Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)	Not In Labour Force (in Lakhs)
Female	15-20	0.37	0.08	22.66
	21-30	2.99	0.78	32.9
	31-40	3.64	0.82	33.46
	41-50	2.94	0.62	28.09
	51-59	1.12	0.21	17.85
	60 & Above	0.47	0.04	15.89
Total (Female)		11.53	2.54	150.85
Male	15-20	4.34	0.67	22.03
	21-30	26.15	4.86	4.42
	31-40	29.51	5.65	0.27
	41-50	27.32	6.63	0.73
	51-59	16.39	3.92	1.52
	60 & Above	9.57	0.89	13.39
Total (Male)		113.29	22.63	42.37
Total		124.83	25.17	193.22

Table 2



Gender	Age Group (in Years)	Agriculture (in Lakhs)	Non-Agriculture (in Lakhs)	Unemployed/Not in Labour Force (in Lakhs)
Female	15-20	0.09	0.21	22.81
	21-30	0.37	2.4	33.89
	31-40	0.8	2.84	34.28
	41-50	0.57	2.51	28.58
	51-59	0.47	0.81	17.9
	60 & Above	0.37	0.08	15.94
Total (Female)		2.68	8.85	153.4
Male	15-20	0.33	3.58	23.15
	21-30	4.51	23.1	7.82
	31-40	7.67	26.26	1.5
	41-50	11.07	21.64	1.97
	51-59	9.06	10.51	2.26
	60 & Above	6.54	3.29	14.02
Total (Male)		39.19	88.38	50.72
Total		41.87	97.24	204.12

Table 3

Gender	Age Group (in Years)	No Education (in Lakhs)	10 th Std & Below (in Lakhs)	11 th to 12 th Std (in Lakhs)	Graduate (in Lakhs)	Postgraduate & Above (in Lakhs)
Female	15-20	0.11	14.29	8.21	0.51	0
	21-30	0.41	27.83	4.18	4.12	0.12
	31-40	0.81	32.6	2.63	1.71	0.18
	41-50	1.96	27.77	0.81	0.99	0.13
	51-59	1.54	17.04	0.29	0.25	0.05
	60 & Above	2.89	13.29	0.06	0.14	0.02
Total (Female)		7.72	132.81	16.17	7.72	0.5
Male	15-20	0.01	16.52	9.98	0.55	0
	21-30	0.09	24.56	5.76	4.58	0.45
	31-40	0.45	28.01	3.28	3.1	0.59
	41-50	0.94	28.1	2.3	2.64	0.7
	51-59	1.06	18.68	0.78	0.91	0.41
	60 & Above	1.76	20.16	0.45	1.21	0.28
Total (Male)		4.3	136.04	22.54	12.99	2.42
Total		12.02	268.85	38.71	20.71	2.93

Table 4



Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)	Unemployed/Not in Labour Force (in Lakhs)
Female	15-20	0.23	0.07	22.81
	21-30	2.19	0.58	33.89
	31-40	2.9	0.75	34.28
	41-50	2.48	0.6	28.58
	51-59	1.07	0.2	17.9
	60 & Above	0.42	0.04	15.94
Total (Female)		9.29	2.24	153.4
Male	15-20	3.41	0.49	23.15
	21-30	23.4	4.22	7.82
	31-40	28.35	5.58	1.5
	41-50	26.15	6.56	1.97
	51-59	15.69	3.88	2.26
	60 & Above	8.97	0.87	14.02
Total (Male)		105.96	21.61	50.72
Total		115.26	23.85	204.12

Table 5

Gender	Age Group (in Years)	Monthly Income (Rs.): Upto 10,000 (persons in Lakhs)	Monthly Income (Rs.): 10,000 - 20,000 (persons in Lakhs)	Monthly Income (Rs.): 20,000 - 50,000 (persons in Lakhs)	Monthly Income (Rs.): 50,000 - 1,00,000 (persons in Lakhs)	Monthly Income (Rs.): Above 1,00,000 (persons in Lakhs)
Female	15-20	0.14	0.16	0	0	0
	21-30	0.7	1.37	0.56	0.13	0.02
	31-40	1.18	1.69	0.62	0.14	0.01
	41-50	0.84	1.47	0.56	0.14	0.05
	51-59	0.53	0.45	0.21	0.02	0.06
	60 & Above	0.16	0.24	0.05	0	0
Total (Female)		3.55	5.39	2.01	0.43	0.15
Male	15-20	0.32	2.4	1.18	0	0
	21-30	3.75	7.96	15.1	0.71	0.1
	31-40	4.79	4.52	22.02	1.98	0.62
	41-50	5.29	7.27	17.04	2.35	0.75
	51-59	3.24	6.32	7.58	1.62	0.82
	60 & Above	1.15	6.14	2.38	0.12	0.04
Total (Male)		18.55	34.61	65.3	6.78	2.33
Total		22.1	39.99	67.32	7.21	2.48

Table 6



Gender	Age Group (in Years)	10th Std & Below (in Lakhs)	11 th to 12 th Std (in Lakhs)	Graduate (in Lakhs)	Postgraduate & Above (in Lakhs)
Female	15-20	0.29	0.31	0.05	0
	21-30	0.11	0.15	0.66	0.01
	31-40	0.02	0.06	0.02	0.01
	41-50	0.05	0.02	0.06	0
	51-59	0.05	0.01	0	0
Total (Female)		0.52	0.55	0.79	0.03
Male	15-20	0.54	0.56	0.05	0
	21-30	0.46	0.83	0.42	0.01
	31-40	0.29	0.29	0.07	0.02
	41-50	0.34	0.04	0.14	0.14
	51-59	0.07	0.01	0.01	0
	60 & Above	0.05	0.05	0.01	0.01
Total (Male)		1.75	1.77	0.7	0.18
Total		2.27	2.32	1.49	0.21

Table 7

Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)
Female	15-20	0.47	0.17
	21-30	0.7	0.24
	31-40	0.05	0.07
	41-50	0.09	0.04
	51-59	0.05	0.01
Total (Female)		1.35	0.54
Male	15-20	0.84	0.31
	21-30	1.26	0.46
	31-40	0.42	0.26
	41-50	0.47	0.19
	51-59	0.05	0.04
	60 & Above	0.09	0.01
Total (Male)		3.13	1.26
Total		4.48	1.8

Table 8



Gender	Age Group (in Years)	Employed (in Lakhs)	Unemployed (in Lakhs)	Not In Labour Force (in Lakhs)
Female	15-20	0.05	0.05	0.55
	21-30	0.15	0.18	0.62
	31-40	0.07	0	0.05
	41-50	0.12	0	0.01
	51-59	0.05	0	0.01
Total (Female)		0.43	0.22	1.24
Male	15-20	0.16	0.04	0.95
	21-30	0.66	0.33	0.73
	31-40	0.67	0.01	0
	41-50	0.65	0	0
	51-59	0.08	0	0.01
	60 & Above	0.01	0	0.1
Total (Male)		2.23	0.38	1.79
Total		2.66	0.6	3.03

Table 9

Gender	Age Group (in Years)	Monthly Income (Rs.): Upto 10,000 (persons in Lakhs)	Monthly Income (Rs.): 10,000 - 20,000 (persons in Lakhs)	Monthly Income (Rs.): 20,000 - 50,000 (persons in Lakhs)	Monthly Income (Rs.): 50,000 - 1,00,000 (persons in Lakhs)	Monthly Income (Rs.): Above 1,00,000 (persons in Lakhs)
Female	15-20	0.05	0	0	0	0
	21-30	0.01	0	0.12	0.01	0.01
	31-40	0	0.01	0.05	0.01	0.01
	41-50	0.01	0.05	0.05	0.02	0
	51-59	0	0	0	0	0.05
Total (Female)		0.06	0.05	0.21	0.04	0.06
Male	15-20	0.01	0	0.15	0	0
	21-30	0.05	0.1	0.44	0.07	0
	31-40	0.02	0.01	0.33	0.28	0.03
	41-50	0	0	0.32	0.29	0.04
	51-59	0	0	0.01	0.05	0.01
	60 & Above	0	0	0	0	0.01
Total (Male)		0.08	0.11	1.25	0.71	0.09
Total		0.14	0.16	1.46	0.75	0.15

Table 10



Gender	Age Group (in Years)	Agriculture (in Lakhs)	Non-Agriculture (in Lakhs)
Female	15-20	0	0.05
	21-30	0	0.15
	31-40	0	0.07
	41-50	0	0.12
	51-59	0	0.05
Total (Female)		0	0.43
Male	15-20	0	0.16
	21-30	0	0.66
	31-40	0.05	0.63
	41-50	0	0.65
	51-59	0	0.08
	60 & Above	0	0.01
Total (Male)		0.05	2.18
Total		0.05	2.61

Table 11

Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)
Female	15-20	0.05	0
	21-30	0.09	0.05
	31-40	0.05	0.02
	41-50	0.09	0.03
	51-59	0.05	0
Total (Female)		0.33	0.1
Male	15-20	0.14	0.01
	21-30	0.47	0.19
	31-40	0.42	0.25
	41-50	0.47	0.19
	51-59	0.05	0.03
	60 & Above	0	0.01
Total (Male)		1.54	0.69
Total		1.87	0.79

Table 12



Gender	Age Group (in Years)	Employed (in Lakhs)	Unemployed (in Lakhs)	Not In Labour Force (in Lakhs)
Female	15-20	0.05	0.05	0.36
	21-30	0	0.12	0.3
	31-40	0.01	0	0.05
	41-50	0.1	0	0
Total (Female)		0.16	0.17	0.71
Male	15-20	0.09	0	0.35
	21-30	0.23	0.12	0.2
	31-40	0.2	0	0
	41-50	0.25	0	0
	51-59	0.02	0	0
	60 & Above	0.01	0	0.01
Total (Male)		0.8	0.12	0.55
Total		0.96	0.29	1.27

Table 17

Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)
Female	15-20	0.05	0
	31-40	0	0.01
	41-50	0.09	0.01
Total (Female)		0.14	0.02
Male	15-20	0.09	0
	21-30	0.14	0.09
	31-40	0.09	0.1
	41-50	0.19	0.06
	51-59	0	0.02
	60 & Above	0	0.01
Total (Male)		0.51	0.28
Total		0.65	0.31

Table 18



Gender	Age Group (in Years)	Non-Agriculture (in Lakhs)
Female	15-20	0.05
	31-40	0.01
	41-50	0.1
Total (Female)		0.16
Male	15-20	0.09
	21-30	0.23
	31-40	0.2
	41-50	0.25
	51-59	0.02
	60 & Above	0.01
Total (Male)		0.8
Total		0.96

Table 19

Gender	Age Group (in Years)	Monthly Income (Rs.): Upto 10,000 (persons in Lakhs)	Monthly Income (Rs.): 10,000 - 20,000 (persons in Lakhs)	Monthly Income (Rs.): 20,000 - 50,000 (persons in Lakhs)	Monthly Income (Rs.): 50,000 - 1,00,000 (persons in Lakhs)	Monthly Income (Rs.): Above 1,00,000 (persons in Lakhs)
Female	15-20	0.05	0	0	0	0
	31-40	0	0.01	0	0	0.01
	41-50	0.01	0.05	0.05	0	0
Total (Female)		0.05	0.05	0.05	0	0.01
Male	15-20	0	0	0.09	0	0
	21-30	0	0	0.18	0.05	0
	31-40	0.01	0.01	0.13	0.03	0.02
	41-50	0	0	0.18	0.06	0.01
	51-59	0	0	0.01	0	0.01
	60 & Above	0	0	0	0	0.01
Total (Male)		0.01	0.01	0.59	0.14	0.05
Total		0.06	0.06	0.63	0.14	0.06

Table 20



Vocational Training Helped	Persons (in Lakhs)
To get my present/ previous job	1.9
In upward mobility(promotion) in my job/line of work (income/leadership)	0.08
To establish my enterprise	0.06
Total	2.04

Table 21

Vocational Training Did Not Help - Reasons	Persons (in Lakhs)
Changed trade, due to inability to get a job in the trade in which member was trained	0.32
Changed the line of work/trade, due to lack of interest	0.15
Quality of training/training centre was not good	0.05
Total	0.51

Table 22

Vocational Training Helped	Persons (in Lakhs)
To get my previous job	0.13
Total	0.13

Table 23

Got Present Job	Persons (in Lakhs)
Through formal channels	1.74
Through friends and family	0.54
Through the training partner	0.32
Through professional network	0.07
Total	2.66

Table 24



Got Previous Job	Persons (in Lakhs)
Through formal channels	0.12
Through the training partner	0.01
Through professional network	0.01
Total	0.13

Table 25

Reasons For Not Taking Up Work	Persons (in Lakhs)
Did not get a job	2.77
Could not pursue for personal reasons	0.47
Not interested to work	0.26
Total	3.49

Table 26

Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)	Other Persons (in Lakhs)
Female	15-20	0.19	0.07	22.86
	21-30	2.1	0.52	34.04
	31-40	2.85	0.72	34.35
	41-50	2.38	0.57	28.7
	51-59	1.03	0.2	17.95
	60 & Above	0.42	0.04	15.94
Total (Female)		8.97	2.12	153.84
Male	15-20	3.27	0.48	23.3
	21-30	22.88	3.97	8.58
	31-40	27.93	5.29	2.22
	41-50	25.64	6.32	2.72
	51-59	15.64	3.82	2.38
	60 & Above	8.97	0.85	14.03
Total (Male)		104.33	20.73	53.23
Total		113.29	22.85	207.07

Table 27



Gender	Age Group (in Years)	Agriculture (in Lakhs)	Non-Agriculture (in Lakhs)	Other Persons (in Lakhs)
Female	15-20	0.09	0.16	22.86
	21-30	0.37	2.25	34.04
	31-40	0.8	2.77	34.35
	41-50	0.57	2.38	28.7
	51-59	0.47	0.76	17.95
	60 & Above	0.37	0.08	15.94
Total (Female)		2.68	8.41	153.84
Male	15-20	0.33	3.42	23.3
	21-30	4.51	22.34	8.58
	31-40	7.63	25.59	2.22
	41-50	11.07	20.89	2.72
	51-59	9.06	10.4	2.38
	60 & Above	6.54	3.28	14.03
Total (Male)		39.14	85.92	53.23
Total		41.82	94.33	207.07

Table 28

Gender	Age Group (in Years)	No Education (in Lakhs)	10 th Std & Below (in Lakhs)	11 th to 12 th Std (in Lakhs)	Graduate (in Lakhs)	Postgraduate & Above (in Lakhs)	Other Persons (in Lakhs)
Female	15-20	0	0.23	0.02	0	0	22.86
	21-30	0.1	1.81	0.23	0.46	0.02	34.04
	31-40	0.09	3.02	0.22	0.23	0.01	34.35
	41-50	0.37	2.24	0.08	0.18	0.07	28.7
	51-59	0.2	0.99	0.01	0.01	0.01	17.95
	60 & Above	0.15	0.31	0	0	0	15.94
Total (Female)		0.92	8.6	0.57	0.89	0.1	153.84
Male	15-20	0	3.16	0.59	0	0	23.3
	21-30	0.09	21.26	3.06	2.14	0.31	8.58
	31-40	0.44	26.55	2.83	2.89	0.5	2.22
	41-50	0.89	25.88	2.26	2.39	0.55	2.72
	51-59	1.01	16.54	0.68	0.88	0.35	2.38
	60 & Above	0.68	8.98	0.04	0.08	0.04	14.03
Total (Male)		3.11	102.36	9.45	8.39	1.75	53.23
Total		4.03	110.96	10.02	9.28	1.86	207.07

Table 29



Gender	Age Group (in Years)	Monthly Income (Rs.): Upto 10,000 (persons in Lakhs)	Monthly Income (Rs.): 10,000 - 20,000 (persons in Lakhs)	Monthly Income (Rs.): 20,000 - 50,000 (persons in Lakhs)	Monthly Income (Rs.): 50,000 - 1,00,000 (persons in Lakhs)	Monthly Income (Rs.): Above 1,00,000 (persons in Lakhs)	Other Persons (in Lakhs)
Female	15-20	0.09	0.16	0	0	0	22.86
	21-30	0.69	1.37	0.44	0.11	0.01	34.04
	31-40	1.18	1.69	0.57	0.12	0.01	34.35
	41-50	0.84	1.43	0.52	0.12	0.05	28.7
	51-59	0.53	0.45	0.21	0.02	0.01	17.95
	60 & Above	0.16	0.24	0.05	0	0	15.94
Total (Female)		3.49	5.33	1.8	0.37	0.09	153.84
Male	15-20	0.31	2.4	1.04	0	0	23.3
	21-30	3.66	7.86	14.64	0.61	0.08	8.58
	31-40	4.77	4.51	21.69	1.67	0.58	2.22
	41-50	5.29	7.27	16.67	2.06	0.66	2.72
	51-59	3.24	6.32	7.57	1.56	0.77	2.38
	60 & Above	1.15	6.14	2.38	0.12	0.03	14.03
Total (Male)		18.43	34.5	63.99	6.02	2.12	53.23
Total		21.92	39.83	65.8	6.39	2.21	207.07

Table 30

Gender	Age Group (in Years)	Experience: 0-1 yr (persons in Lakhs)	Experience: More than 1 & Less than 2 yrs (persons in Lakhs)	Experience: More than 2 & Less than 5 yrs (persons in Lakhs)	Experience: More than 5 & Less than 10 yrs (persons in Lakhs)	Experience: More than 10 yrs (persons in Lakhs)	Other Persons (in Lakhs)
Female	15-20	0.02	0.08	0.16	0	0	22.86
	21-30	0.02	0.38	1.31	0.84	0.07	34.04
	31-40	0.06	0.08	0.93	1.53	0.96	34.35
	41-50	0.05	0.14	0.12	0.5	2.15	28.7
	51-59	0	0	0.01	0.15	1.07	17.95
	60 & Above	0.05	0	0.01	0	0.4	15.94
Total (Female)		0.21	0.69	2.53	3.01	4.65	153.84
Male	15-20	1.2	1.74	0.69	0.05	0.06	23.3
	21-30	0.66	2.92	11.56	8.81	2.91	8.58
	31-40	0.05	0.09	0.92	8.91	23.24	2.22
	41-50	0.07	0.01	0.25	0.54	31.1	2.72
	51-59	0	0.05	0.08	0.13	19.2	2.38
	60 & Above	0.05	0	0.09	0.11	9.57	14.03
Total (Male)		2.03	4.82	13.59	18.56	86.07	53.23
Total		2.23	5.5	16.11	21.57	90.72	207.07

Table 31



Gender	Age Group (in Years)	Willingness to enroll in formal training: Long-term training program (in Lakhs)	Willingness to enroll in formal training: Short-term training program (in Lakhs)	Willingness to enroll in formal training: Duration does not matter (in Lakhs)	Willingness to enroll in formal training: Do not know (in Lakhs)
Female	15-20	0	0.01	0.05	0
	21-30	0.05	0.1	0.09	0
	31-40	0	0	0.05	0
	41-50	0	0	0.05	0
Total (Female)		0.05	0.11	0.23	0
Male	15-20	0.19	0.25	0.09	0
	21-30	0.08	0.88	0.52	0.01
	31-40	0.05	0.18	0.19	0
	41-50	0	0.01	0.09	0.06
	51-59	0	0.01	0.01	0
Total (Male)		0.32	1.34	0.91	0.07
Total		0.36	1.45	1.14	0.07

Table 34

Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)
Female	15-20	0.05	0.04
	21-30	0.14	0.07
	31-40	0.19	0.07
	41-50	0.05	0.01
	51-59	0	0.01
Total (Female)		0.42	0.2
Male	15-20	0.05	0.02
	21-30	0.05	0.02
	60 & Above	0.09	0.03
Total (Male)		0.19	0.07
Total		0.61	0.28

Table 35



Gender	Age Group (in Years)	No Education (in Lakhs)	10 th Std & Below (in Lakhs)	11 th to 12 th Std (in Lakhs)	Graduate (in Lakhs)	Postgraduate & Above (in Lakhs)
Female	15-20	0	0.07	0.01	0.01	0
	21-30	0	0.1	0.05	0.06	0
	31-40	0.05	0.07	0.14	0	0
	41-50	0	0.06	0	0	0
	51-59	0	0.01	0.01	0	0
Total (Female)		0.05	0.3	0.2	0.07	0
Male	15-20	0	0.06	0.01	0	0
	21-30	0	0.05	0.01	0.01	0
	60 & Above	0	0.11	0	0.01	0.01
Total (Male)		0	0.22	0.01	0.01	0.01
Total		0.05	0.53	0.22	0.08	0.01

Table 36

Gender	Age Group (in Years)	Hereditary (in Lakhs)	On-the-job learning (in Lakhs)	Self-learning (in Lakhs)	Other Sources (in Lakhs)
Female	15-20	0	0	0.08	0
	21-30	0.05	0	0.16	0
	31-40	0.05	0.01	0.2	0
	41-50	0	0	0.06	0
	51-59	0	0.01	0	0.01
Total (Female)		0.09	0.01	0.51	0.01
Male	15-20	0	0	0.07	0
	21-30	0	0	0.02	0.05
	60 & Above	0	0.01	0.12	0
Total (Male)		0	0.01	0.21	0.05
Total		0.09	0.02	0.71	0.05

Table 37

Gender	Age Group (in Years)	Awareness of formal training: Yes (in Lakhs)	Awareness of formal training: No (in Lakhs)
Female	15-20	0.04	0.05
	21-30	0.1	0.11
	31-40	0.08	0.17
	41-50	0.05	0.01
	51-59	0.01	0
Total (Female)		0.29	0.33
Male	15-20	0.07	0
	21-30	0.07	0
	60 & Above	0.01	0.11
Total (Male)		0.15	0.11
Total		0.44	0.44

Table 38



Gender	Age Group (in Years)	Willingness to enroll in formal training: Yes, if they are free/ sponsored (in Lakhs)	Willingness to enroll in formal training: Yes, if they are subsidised (in Lakhs)	Willingness to enroll in formal training: Yes, even if have to pay (in Lakhs)	Willingness to enroll in formal training: No, not interested (in Lakhs)
Female	15-20	0.06	0.01	0	0.01
	21-30	0.01	0	0.01	0.19
	31-40	0	0	0.01	0.25
	41-50	0	0	0	0.06
	51-59	0	0	0	0.01
Total (Female)		0.07	0.01	0.01	0.52
Male	15-20	0.06	0	0	0.01
	21-30	0	0.01	0.01	0.05
	60 & Above	0	0	0	0.12
Total (Male)		0.06	0.01	0.01	0.18
Total		0.13	0.02	0.03	0.7

Table 39

Gender	Age Group (in Years)	Willingness to enroll in formal training: Long-term training program (in Lakhs)	Willingness to enroll in formal training: Short-term training program (in Lakhs)	Willingness to enroll in formal training: Duration does not matter (in Lakhs)	Willingness to enroll in formal training: Do not know (in Lakhs)	Willingness to enroll in formal training: Not Interested (in Lakhs)
Female	15-20	0.01	0.01	0.05	0	0.01
	21-30	0	0	0.01	0	0.19
	31-40	0	0	0	0.01	0.25
	41-50	0	0	0	0	0.06
	51-59	0	0	0	0	0.01
Total (Female)		0.01	0.01	0.07	0.01	0.52
Male	15-20	0.01	0.05	0	0	0.01
	21-30	0	0.01	0.01	0.01	0.05
	60 & Above	0	0	0	0	0.12
Total (Male)		0.01	0.06	0.01	0.01	0.18
Total		0.01	0.08	0.08	0.01	0.7

Table 40



Gender	Age Group (in Years)	Rural (in Lakhs)	Urban (in Lakhs)
Female	15-20	18.49	3.64
	21-30	28.25	4.6
	31-40	27.51	6.46
	41-50	22.84	5.67
	51-59	14.38	3.49
	60 & Above	13.26	2.68
Total (Female)		124.74	26.55
Male	15-20	17.93	4.15
	21-30	5.14	1.44
	31-40	1.35	0.14
	41-50	1.77	0.19
	51-59	1.82	0.43
	60 & Above	10.51	3.26
Total (Male)		38.53	9.63
Total		163.26	36.18

Table 41

Gender	Age Group (in Years)	No Education (in Lakhs)	10 th Std & Below (in Lakhs)	11 th to 12 th Std (in Lakhs)	Graduate (in Lakhs)	Postgraduate & Above (in Lakhs)
Female	15-20	0.11	13.7	7.87	0.46	0
	21-30	0.31	25.81	3.75	2.9	0.08
	31-40	0.67	29.49	2.21	1.45	0.15
	41-50	1.59	25.42	0.7	0.74	0.06
	51-59	1.34	15.98	0.26	0.24	0.04
	60 & Above	2.74	12.98	0.06	0.14	0.02
Total (Female)		6.76	123.39	14.85	5.93	0.36
Male	15-20	0.01	12.76	8.82	0.5	0
	21-30	0	2.78	1.86	1.82	0.12
	31-40	0.01	1.17	0.16	0.1	0.05
	41-50	0.05	1.89	0.01	0.02	0
	51-59	0.05	2.07	0.09	0.01	0.04
	60 & Above	1.08	11.03	0.36	1.09	0.21
Total (Male)		1.2	31.7	11.31	3.53	0.42
Total		7.95	155.09	26.16	9.46	0.78

Table 42



Gender	Age Group (in Years)	Willingness to enroll in formal training: Yes, if they are free/ sponsored (in Lakhs)	Willingness to enroll in formal training: Yes, if they are subsidised (in Lakhs)	Willingness to enroll in formal training: Yes, even if have to pay (in Lakhs)
Female	15-20	5.74	0.15	1.49
	21-30	2.07	0.1	0.18
	31-40	0.11	0.01	0.01
	41-50	0.15	0.06	0.05
	51-59	0.01	0	0
	60 & Above	0	0	0.01
Total (Female)		8.07	0.33	1.74
Male	15-20	6.55	0.21	1.3
	21-30	1.05	0.01	0.35
	31-40	0.01	0	0
Total (Male)		7.6	0.22	1.65
Total		15.68	0.55	3.39

Table 43

Gender	Age Group (in Years)	Willingness to enroll in formal training: Long-term training program (in Lakhs)	Willingness to enroll in formal training: Short-term training program (in Lakhs)	Willingness to enroll in formal training: Duration does not matter (in Lakhs)	Willingness to enroll in formal training: Do not know (in Lakhs)
Female	15-20	3.84	1.85	1.49	0.2
	21-30	0.89	0.97	0.45	0.05
	31-40	0	0.08	0.05	0
	41-50	0	0.16	0.05	0.05
	51-59	0.01	0	0	0
	60 & Above	0	0	0	0.01
Total (Female)		4.73	3.07	2.03	0.3
Male	15-20	4.19	2.08	1.74	0.05
	21-30	0.43	0.29	0.68	0.01
	31-40	0	0.01	0	0
Total (Male)		4.62	2.38	2.42	0.06
Total		9.35	5.44	4.46	0.36

Table 44





Market Analytics Unit



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