

Data stories and story maps

**Tools to report progress on:
equality, effective access and
development**

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OUR BIG IDEAS

**INEGI IS A DRIVER TO
TRANSFORM
MEXICO'S JOURNEY
TOWARDS EQUALITY,
EFFECTIVE ACCESS
AND DEVELOPMENT**

01

Create contrast

04

build on what
needs to be
done daily (with
a swift)

02

transform data
into meaning

05

content as
input to other
media

03

propose or use
actual legal
resolutions

Stories' strategy map

**Committed
Teams**

Influencers Suppliers
Doers Innovators

**Relevant
goals**

Integrity Education Economic
participation Political
empowerment

**Strong
evidence**

Subnational Long time Relevant
or local series populations

**Meaningful
content**

Impact Progress Challenges

Lessons Learned

- **Communication is different from disseminating**

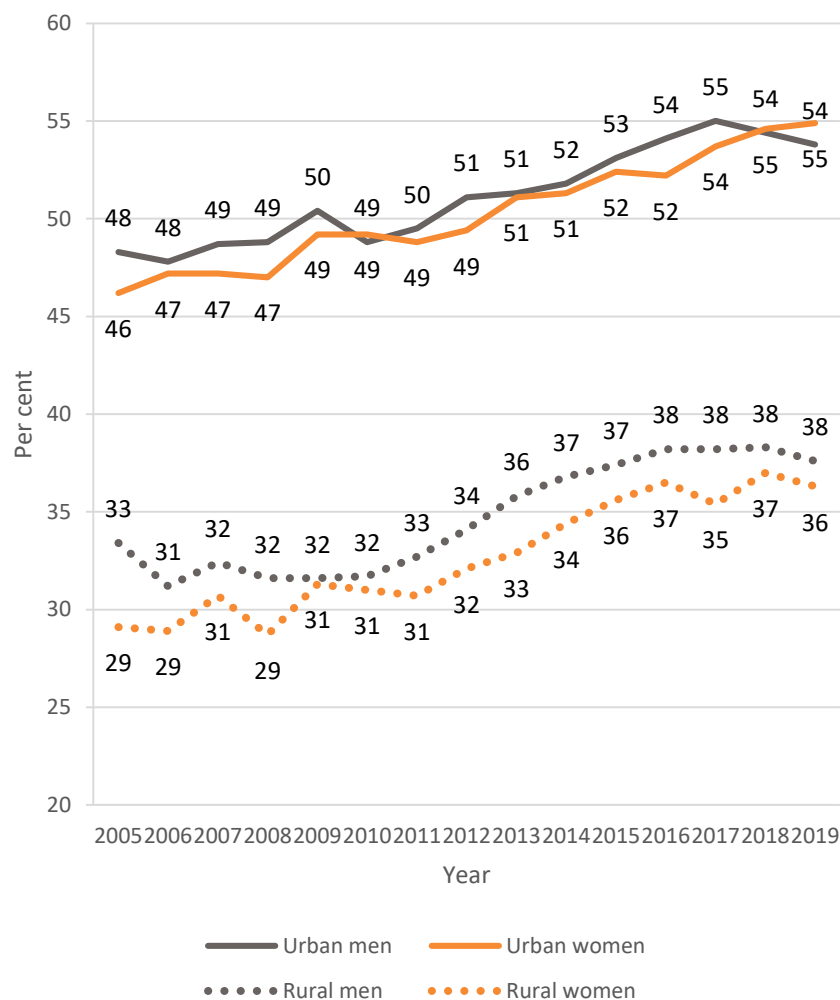
- **Intersectional analysis implies curated data**

- **Can NSO's be emotional and "repeatable"?**

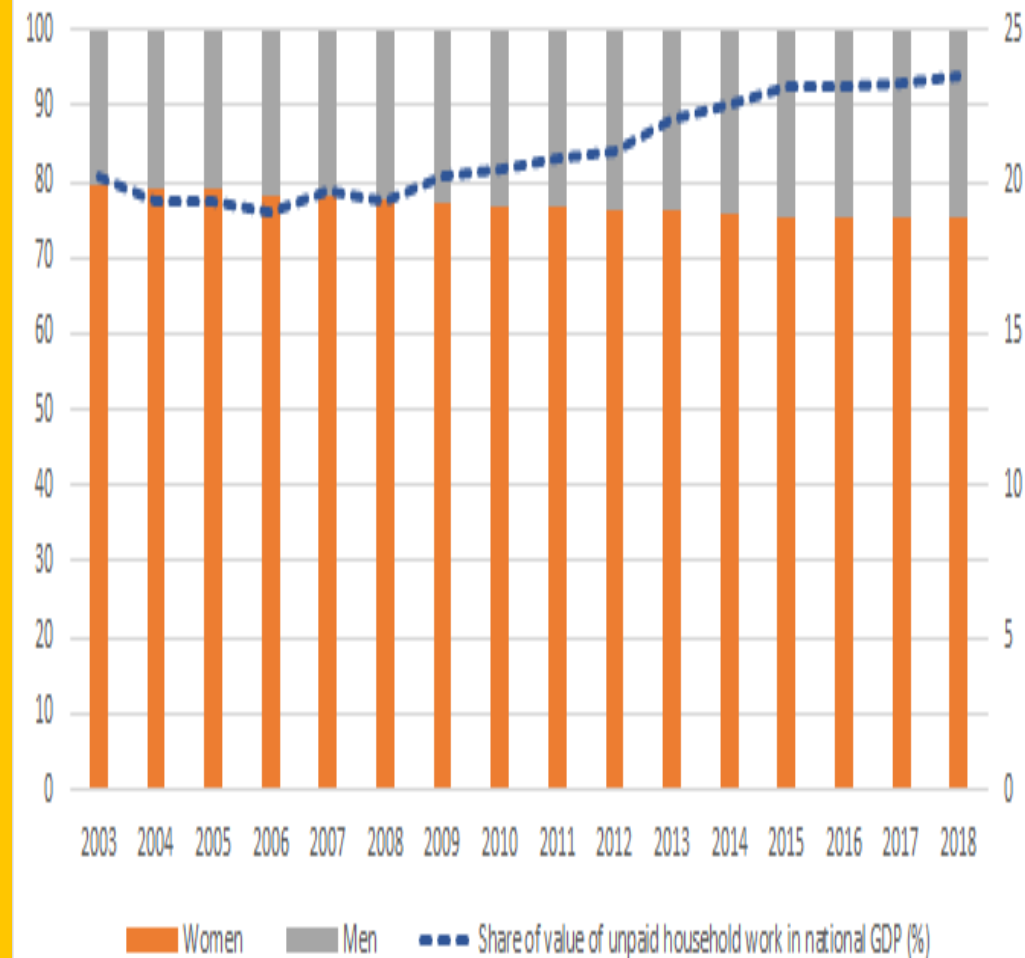
- **Location does matter**

- **Zooming needs extra effort**

School attendance rate of young women and men aged 15—24 by sex and rural/urban residence: 2005—2019. (Percentage)



Proportion of unpaid domestic and care work undertaken by women and men and share of unpaid work in the gross domestic product of Mexico: 2003—2018



Gender employment gap by municipality's main economic activity. 2018





Women's access to childcare services



Edit story



Women's access to childcare services

Does the proximity of services promote women's economic autonomy?

INEGI | September 30, 2020



Women's access to childcare services

Women have different activities and needs than men. Due to family and community production responsibilities, as well as their social role as a collective pillar, they need to benefit uniformly from essential services that allow their empowerment and well-being.



Women's access to childcare services



Edit story



Throughout the world, women devote a significant portion of their time to caring for other people, as part of generally unpaid, unquantified and unrecognized work. Their greater participation in the paid labor force benefits their own living conditions, the living conditions of their family, and the entire community, allowing the reduction of gaps and faster economic development [\(1\)](#).

Is the proximity of different services, in particular Care, a dimension that facilitates the integration of women into the workforce?

To answer this question at the national level, the first challenge is to make a classification of services according to the support they provide to women. Having a platform that updates and measures access through space, and being able to replicate it in other countries, led us to experiment the development of an intelligent classification model with machine learning algorithms. In this work in progress, preliminary observations allowed by this classification are presented.



The project is an experiment to reduce the data gap for the measurements of the Sustainable Development Goals, with unconventional data and methods.



Women's access to childcare services



Childcare						
Health			Schools & Education			Care
20 min	40 min	60 min	20 min	40 min	60 min	20 min
Basic	Intermediate	Specialized	Basic	Intermediate	Specialized	Basic
Pediatrician	Dentist	Specialized clinics and practices	Kindergarden	High school	Special education	Nursery
Family, mother and child health center	Alternative medicine	Psychiatry	Primary school	Technical, Arts, Sport and Languages high school	Specialized institutions	Local children recreational center
Vaccine center	Laboratories	Specialized institutions	Middle school		Administrations	Social center
Hospitals and Emergency		Administrations	Middle technical school			
Pharmacy			Special needs school			
Ambulance and emergency			School assistance			

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97313 176 SUCURSAL EMILIANO ZAPATA SIGLO XXI	621511	Laboratorios médicos y de diagnóstico del sector privado	6 a 10	person	Fijo	21.882547
751017 184 SUCURSAL CONVENCIÓN ORIENTE GRUPO DIAGNÓSTICO MÉDICO PROA	621511	Laboratorios médicos y de diagnóstico del sector privado	0 a 5	person	Fijo	21.877174
536 AA GRUPO CHICAGO BS	624191	Agrupaciones de autoayuda para alcohólicos y personas con otras adicciones	11 a 30	pers	Fijo	21.845172
250402 AA GRUPO LA SOLEDAD	624191	Agrupaciones de autoayuda para alcohólicos y personas con otras adicciones	0 a 5	person	Fijo	21.877174
16651 AA GRUPO PRIMAVERA	624191	Agrupaciones de autoayuda para alcohólicos y personas con otras adicciones	6 a 10	person	Fijo	21.893988
663387 ABASTOS Y OPERACIONES	624211	Servicios de alimentación comunitarios prestados por el sector privado	11 a 30	pers	Fijo	21.905593
684759 ABUELITOS FELICES	623311	Asilos y otras residencias del sector privado para el cuidado de ancianos	6 a 10	person	Fijo	21.910645
48213 ACESORIA PSICOLOGICA	621331	Consultorios de psicología del sector privado	0 a 5	person	Fijo	21.828939
600272 AD ODONTOLOGIA AVANZADA	621211	Consultorios dentales del sector privado	0 a 5	person	Fijo	21.917208
42349 ADMINISTRACION DEL EDIFICIO GRUPO MEDICO HUMANITAS	621111	Consultorios de medicina general del sector privado	0 a 5	person	Fijo	21.926139
221912 ADMINISTRACION CENTRO DE ESPECIALIDADES MEDICAS LA CRUZ	621115	Clinicas de consultorios médicos del sector privado	0 a 5	person	Fijo	21.873681
248493 ADRIANA IMAGEN Y NUTRICION	621391	Consultorios de nutrición y dietistas del sector privado	0 a 5	person	Fijo	21.924185
153760 AFNER GRUVALVA ZOZAYA	621230	Consultorios de optometría	0 a 5	person	Fijo	21.876490
24950 AGENCIA DE ENFERMERIA ARGO	621610	Servicios de enfermería a domicilio	11 a 30	pers	Fijo	21.899153
779867 AGENCIA DE ENFERMERIA SANTA ROSA CUIDAMOS DE TI	621610	Servicios de enfermería a domicilio	11 a 30	pers	Fijo	21.877801
32054 AGRUPIACIÓN ACHIS	624198	Otros servicios de orientación y trabajo social prestados por el sector privado	11 a 30	pers	Fijo	21.851433
831874 AGUASCALIENTES 1-2	621511	Laboratorios médicos y de diagnóstico del sector privado	0 a 5	person	Fijo	21.885651
134556 AGUASCALIENTES 2-6	621511	Laboratorios médicos y de diagnóstico del sector privado	0 a 5	person	Fijo	21.857800
36073 AJUSTES CORPORALES	621311	Consultorios de quiropráctica del sector privado	0 a 5	person	Fijo	21.889554
37570 ALBERQUE ALAS QUE PROTEGEN FUNDACION I.B.P.	623991	Orfanatos y otras residencias de asistencia social del sector privado	0 a 5	person	Fijo	21.876958
607762 ALBERQUE ESCOLAR RURAL ANSELMO CHÁVEZ QUIROZ	623992	Orfanatos y otras residencias de asistencia social del sector público	6 a 10	person	Fijo	22.151133
253119 ALBERQUE HOSPITAL MIGUEL HIDALGO AACAFIQ	624221	Refugios temporales comunitarios del sector privado	11 a 30	pers	Fijo	21.894427
23083 ALBERQUE VOLUNTARIAS VICENTINAS DE AGUASCALIENTES	623991	Orfanatos y otras residencias de asistencia social del sector privado	6 a 10	person	Fijo	21.878153
616477 ALCOHOLICOS ANONIMOS SA. TRADICION	624191	Agrupaciones de autoayuda para alcohólicos y personas con otras adicciones	6 a 10	person	Fijo	22.058124
35192 ALCOHOLICOS ANONIMOS	624191	Agrupaciones de autoayuda para alcohólicos y personas con otras adicciones	11 a 30	pers	Fijo	21.888670
21849 ALCOHOLICOS ANONIMOS	624191	Agrupaciones de autoayuda para alcohólicos y personas con otras adicciones	0 a 5	person	Fijo	22.280772



Distribution of services in Mexico

Education and Health services show an apparent satisfactory distribution in the country.

Urban areas

Childcare

Clases

- Childcare
- Primary education
- Health

Número de entidades

- > 2,132
- 1,500
- 1,000
- 500
- < 2



There's a clear contrast between southern states and the rest of the country

The northwest zone also shows towns with low access to intermediate services, which can be linked to a great extension of territory and urban dispersion.



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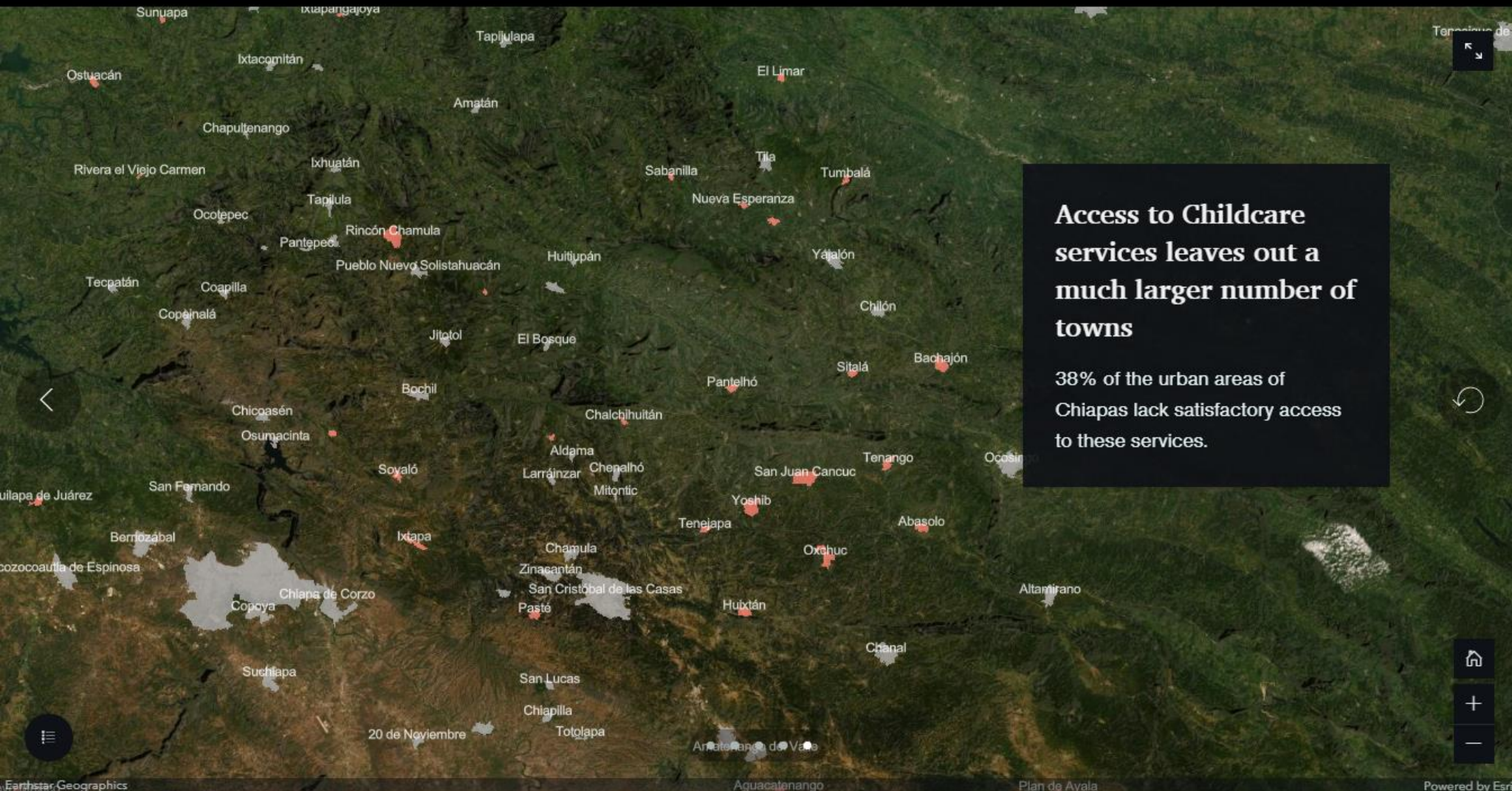
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Access to Childcare services leaves out a much larger number of towns

38% of the urban areas of Chiapas lack satisfactory access to these services.



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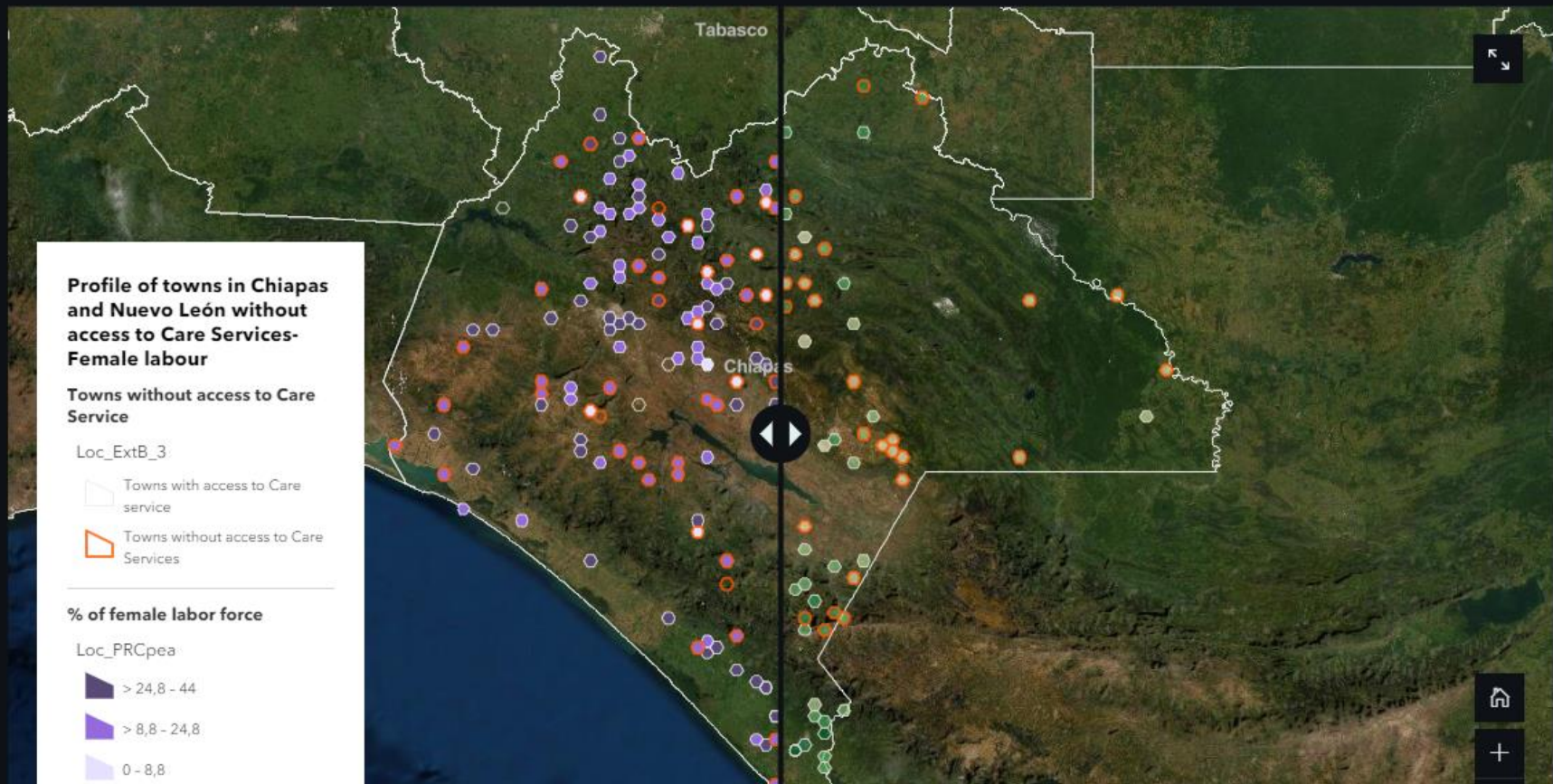
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The following maps compare the participation of women in the labor market and some characteristics of communities in cities of Chiapas and Nuevo León with and without access to care services:





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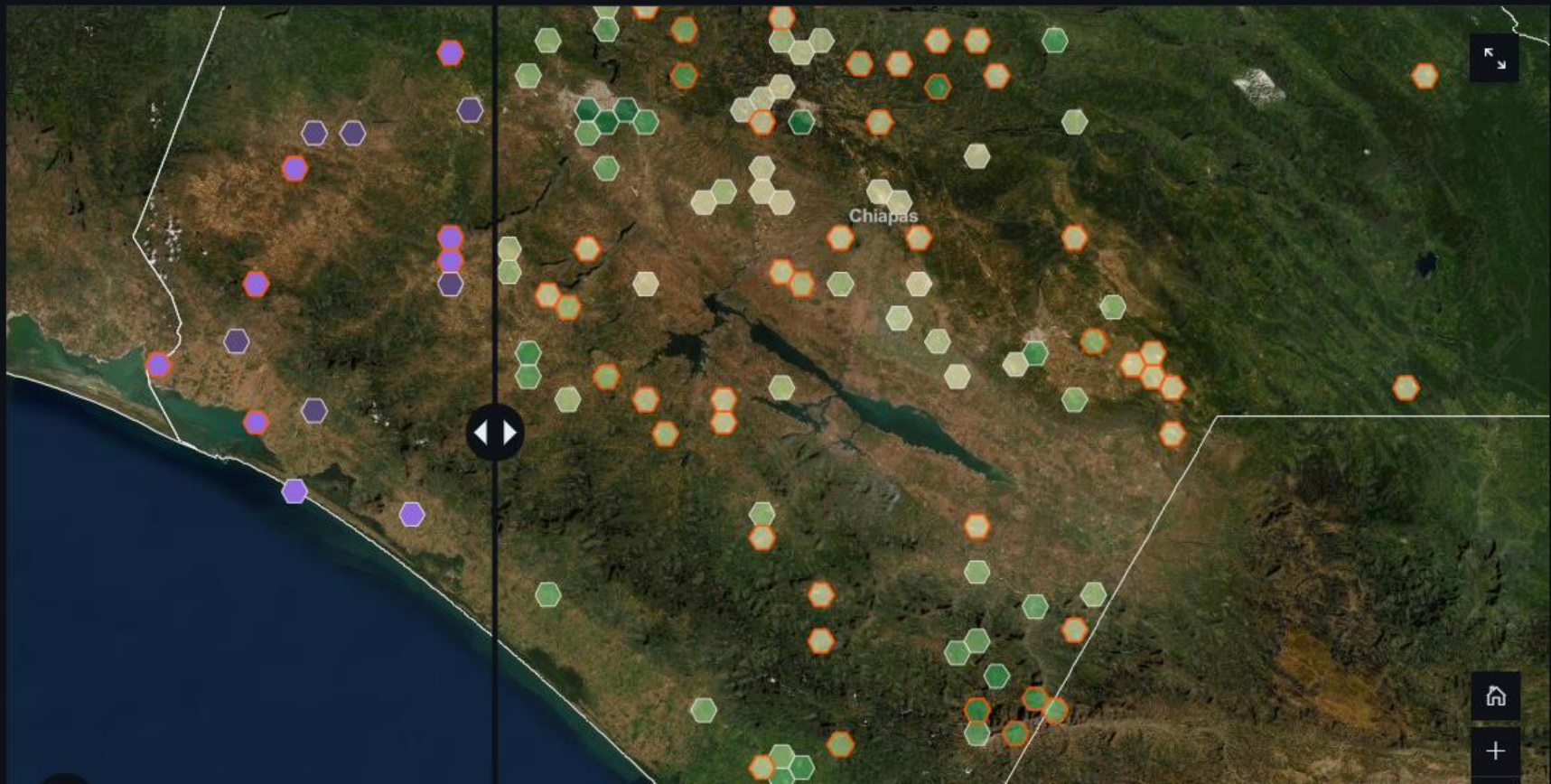
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Watch the Story map and the credits on <https://arcg.is/1uqn1S>

INEGI's Teams

**Valuation of unpaid
work**

School attendance

**Intimate partner
violence**

**&
Women in national
parliaments**

**Women's access to
childcare services**

**Municipal value added
and gender gaps**

Economic Statistics

Social Statistics

**Government and Crime
Statistics**

- **VP Environmental and Geospatial**
- **Communications**
- **VP Social Statistics**
- **Economic Statistics**