



## **AT02** anexo

### **¿CÓMO ES EL AVANCE ESCOLAR DE LOS ALUMNOS?**

**AT02f-A** Tasa de promoción (2010/2011)

## Tasa de promoción

### Definición

Número de alumnos de nuevo ingreso a un determinado grado escolar por cada cien que iniciaron el grado y ciclo escolar inmediatos anteriores.

### Fórmula de cálculo

$$\frac{{}_tANI_g}{{}_{t-1}MI_{g-1}} \times 100$$

|                    |  |
|--------------------|--|
| ${}_tANI_g$        | Alumnos de nuevo ingreso en el grado escolar $g$ en el ciclo escolar $t$ . |
| ${}_{t-1}MI_{g-1}$ | Matrícula inicial en el grado escolar $g-1$ en el ciclo escolar $t-1$ .    |
| $g$                | Grado escolar.   |
| $t$                | Ciclo escolar.   |

### Interpretación

Teóricamente el indicador debe variar entre cero y 100. Es cercano a 100 cuando casi la totalidad de los alumnos de nuevo ingreso provienen del grado y ciclo escolar inmediatos anteriores. Se pueden presentar valores superiores a 100 debido a que los alumnos de nuevo ingreso, considerados para el cálculo, pueden provenir de otras cohortes de alumnos.

### Utilidad

Permite distinguir por entidad federativa, nivel educativo y tipo de sostenimiento en dónde es más elevado el tránsito de los alumnos de nuevo ingreso de un determinado grado escolar a otro dentro de un mismo nivel educativo. Es decir, en un nivel educativo específico, permite estimar la proporción de alumnos que da continuidad a sus estudios, al aprobar un grado previo y cursar el siguiente grado en el ciclo escolar inmediato.

### Ofrece elementos para evaluar la siguiente dimensión de calidad educativa

Eficacia interna.

### Desagregación

Entidad federativa, nivel educativo, tipo de sostenimiento y sexo.

### Fuente de información

SEP-DGP (2011). *Estadísticas continuas del formato 911* (inicio de los ciclos escolares 2009/2010 y 2010/2011).



Idealmente, la población debe mantener una trayectoria normativa en educación básica, por lo que el referente de este indicador es 100%.

**Fuentes:** Artículos 3º y 31º de la *Constitución Política de los Estados Unidos Mexicanos* (Cámara de Diputados, 2011a) y artículos 2º, 3º y 4º de la *Ley General de Educación* (Cámara de Diputados, 2011b).

## AT02f-A1 Tasa de promoción por entidad federativa, nivel educativo, grado escolar y sexo (2010/2011)

| Entidad federativa  | PRIMARIA    |             |             |             |             |             |             |             |             |             |             |             |             |             |             | SECUNDARIA  |             |             |             |             |             |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | 1° a 2°     |             |             | 2° a 3°     |             |             | 3° a 4°     |             |             | 4° a 5°     |             |             | 5° a 6°     |             |             | 1° a 2°     |             |             | 2° a 3°     |             |             |
|                     | Total       | Hombres     | Mujeres     | Total       | Hombres     | Mujeres     | Total       | Hombres     | Mujeres     | Total       | Hombres     | Mujeres     | Total       | Hombres     | Mujeres     | Total       | Hombres     | Mujeres     | Total       | Hombres     | Mujeres     |
| Aguascalientes      | 94.6        | 93.7        | 95.5        | 96.2        | 95.1        | 97.3        | 97.8        | 97.4        | 98.2        | 97.3        | 96.3        | 98.3        | 97.5        | 96.6        | 98.5        | 94.6        | 93.4        | 95.8        | 92.6        | 91.0        | 94.2        |
| Baja California     | 98.8        | 98.7        | 98.9        | 93.8        | 92.7        | 95.1        | 96.0        | 95.3        | 96.8        | 97.9        | 97.6        | 98.3        | 96.8        | 96.3        | 97.3        | 94.9        | 93.8        | 96.0        | 92.8        | 91.7        | 93.9        |
| Baja California Sur | 94.0        | 93.3        | 94.9        | 95.1        | 93.7        | 96.5        | 97.6        | 97.1        | 98.3        | 97.9        | 98.1        | 97.8        | 97.1        | 96.6        | 97.6        | 97.1        | 96.6        | 97.6        | 94.4        | 93.4        | 95.4        |
| Campeche            | 91.9        | 90.4        | 93.5        | 93.4        | 91.8        | 95.0        | 95.4        | 93.8        | 97.1        | 96.6        | 95.4        | 97.9        | 95.0        | 94.0        | 96.0        | 94.7        | 93.1        | 96.2        | 91.2        | 89.7        | 92.7        |
| Coahuila            | 100.8       | 99.7        | 102.0       | 98.7        | 97.6        | 99.8        | 100.1       | 99.4        | 100.8       | 100.6       | 100.0       | 101.2       | 99.9        | 99.1        | 100.6       | 91.7        | 89.6        | 93.8        | 90.7        | 89.2        | 92.3        |
| Colima              | 96.9        | 95.2        | 98.6        | 97.3        | 96.5        | 98.1        | 97.8        | 96.7        | 98.8        | 99.1        | 98.4        | 99.9        | 99.1        | 97.9        | 100.4       | 93.2        | 90.8        | 95.7        | 91.2        | 88.6        | 93.8        |
| Chiapas             | 89.2        | 88.0        | 90.5        | 89.8        | 88.7        | 90.8        | 92.0        | 90.9        | 93.1        | 93.9        | 93.4        | 94.6        | 94.4        | 93.9        | 94.9        | 94.0        | 93.5        | 94.4        | 93.0        | 92.8        | 93.3        |
| Chihuahua           | 97.4        | 96.9        | 98.0        | 92.8        | 91.7        | 94.0        | 93.6        | 92.5        | 94.9        | 97.1        | 96.7        | 97.6        | 94.6        | 93.2        | 95.9        | 91.3        | 89.3        | 93.2        | 90.6        | 89.2        | 92.1        |
| Distrito Federal    | 98.3        | 98.0        | 98.6        | 97.1        | 96.6        | 97.6        | 97.8        | 97.5        | 98.1        | 98.6        | 98.5        | 98.8        | 97.8        | 97.4        | 98.2        | 93.4        | 90.8        | 96.0        | 90.5        | 87.8        | 93.4        |
| Durango             | 96.9        | 96.2        | 97.7        | 96.1        | 95.2        | 97.1        | 96.9        | 96.2        | 97.5        | 98.4        | 97.9        | 98.8        | 97.4        | 97.0        | 97.8        | 93.5        | 91.8        | 95.3        | 91.0        | 89.6        | 92.4        |
| Guanajuato          | 98.2        | 97.8        | 98.7        | 97.2        | 96.6        | 97.7        | 98.2        | 97.8        | 98.6        | 98.4        | 98.1        | 98.8        | 98.2        | 97.7        | 98.6        | 94.1        | 92.7        | 95.5        | 92.6        | 91.1        | 94.1        |
| Guerrero            | 88.9        | 87.3        | 90.6        | 90.4        | 88.6        | 92.4        | 92.6        | 91.2        | 94.1        | 94.1        | 92.7        | 95.6        | 94.7        | 94.0        | 95.5        | 95.1        | 94.1        | 96.1        | 92.5        | 91.6        | 93.4        |
| Hidalgo             | 96.5        | 95.4        | 97.6        | 95.0        | 93.7        | 96.3        | 96.6        | 95.8        | 97.5        | 97.4        | 96.5        | 98.4        | 98.1        | 97.5        | 98.7        | 97.3        | 96.3        | 98.2        | 95.6        | 94.4        | 96.8        |
| Jalisco             | 93.1        | 91.8        | 94.5        | 94.6        | 93.6        | 95.6        | 96.6        | 95.6        | 97.6        | 97.4        | 96.4        | 98.4        | 97.0        | 96.0        | 98.1        | 92.2        | 90.2        | 94.4        | 91.6        | 89.8        | 93.4        |
| México              | 96.0        | 95.2        | 96.7        | 96.4        | 95.6        | 97.2        | 97.6        | 97.0        | 98.2        | 98.0        | 97.4        | 98.7        | 97.9        | 97.3        | 98.6        | 95.1        | 93.5        | 96.7        | 93.4        | 91.5        | 95.3        |
| Michoacán           | 88.6        | 86.8        | 90.5        | 89.0        | 87.4        | 90.8        | 92.2        | 90.8        | 93.6        | 92.1        | 91.2        | 93.1        | 92.6        | 91.5        | 93.8        | 90.9        | 88.1        | 93.7        | 88.6        | 85.8        | 91.3        |
| Morelos             | 95.8        | 94.7        | 97.0        | 97.3        | 96.3        | 98.3        | 98.1        | 97.5        | 98.7        | 98.6        | 97.8        | 99.4        | 99.1        | 98.1        | 100.1       | 94.5        | 93.1        | 95.9        | 93.5        | 91.4        | 95.5        |
| Nayarit             | 96.8        | 96.0        | 97.6        | 97.2        | 96.8        | 97.7        | 97.1        | 96.3        | 97.9        | 98.4        | 97.6        | 99.3        | 98.0        | 97.7        | 98.2        | 95.4        | 94.1        | 96.8        | 94.1        | 92.9        | 95.3        |
| Nuevo León          | 97.3        | 97.1        | 97.6        | 96.4        | 95.6        | 97.2        | 98.0        | 97.3        | 98.6        | 97.9        | 97.4        | 98.4        | 98.6        | 98.3        | 99.0        | 94.9        | 93.7        | 96.2        | 94.5        | 93.4        | 95.6        |
| Oaxaca              | 87.0        | 85.1        | 89.1        | 90.5        | 88.6        | 92.5        | 93.1        | 91.7        | 94.5        | 93.7        | 92.4        | 95.1        | 94.3        | 93.0        | 95.6        | 94.4        | 93.3        | 95.5        | 93.3        | 91.8        | 95.0        |
| Puebla              | 94.6        | 93.6        | 95.6        | 93.9        | 92.9        | 94.9        | 95.6        | 94.5        | 96.7        | 96.2        | 95.2        | 97.1        | 96.4        | 95.5        | 97.4        | 94.9        | 93.5        | 96.3        | 94.1        | 92.8        | 95.5        |
| Querétaro           | 95.9        | 94.6        | 97.2        | 95.7        | 94.6        | 96.9        | 97.4        | 96.6        | 98.3        | 97.9        | 96.9        | 99.0        | 97.9        | 96.8        | 99.1        | 93.0        | 89.9        | 96.3        | 92.8        | 90.8        | 94.7        |
| Quintana Roo        | 95.5        | 94.5        | 96.6        | 92.1        | 91.0        | 93.3        | 97.9        | 97.2        | 98.6        | 94.6        | 93.5        | 95.7        | 99.2        | 98.8        | 99.7        | 95.6        | 94.5        | 96.7        | 93.6        | 92.1        | 95.1        |
| San Luis Potosí     | 93.7        | 92.5        | 95.1        | 94.1        | 92.7        | 95.4        | 95.5        | 94.2        | 96.8        | 96.3        | 95.1        | 97.6        | 96.4        | 95.3        | 97.5        | 95.2        | 94.1        | 96.4        | 93.7        | 92.3        | 95.0        |
| Sinaloa             | 91.7        | 90.0        | 93.5        | 96.4        | 95.5        | 97.4        | 97.3        | 96.2        | 98.6        | 97.7        | 96.8        | 98.6        | 96.6        | 95.5        | 97.7        | 93.9        | 91.8        | 96.1        | 92.3        | 90.5        | 94.0        |
| Sonora              | 98.8        | 97.8        | 99.9        | 98.5        | 98.0        | 99.1        | 98.4        | 98.0        | 98.9        | 100.0       | 99.5        | 100.4       | 99.0        | 98.2        | 99.7        | 95.7        | 93.6        | 97.9        | 93.8        | 93.2        | 94.5        |
| Tabasco             | 90.8        | 89.8        | 92.0        | 92.3        | 91.0        | 93.8        | 94.8        | 93.8        | 95.8        | 97.7        | 96.6        | 98.7        | 101.3       | 101.5       | 101.2       | 94.3        | 93.2        | 95.4        | 92.6        | 91.5        | 93.8        |
| Tamaulipas          | 94.3        | 93.3        | 95.4        | 94.5        | 93.6        | 95.4        | 95.8        | 95.0        | 96.7        | 96.4        | 95.7        | 97.1        | 96.6        | 95.9        | 97.3        | 93.7        | 92.5        | 94.9        | 91.8        | 90.4        | 93.3        |
| Tlaxcala            | 98.2        | 97.6        | 98.7        | 97.2        | 96.2        | 98.2        | 98.3        | 97.8        | 98.9        | 98.6        | 98.0        | 99.1        | 98.3        | 97.7        | 98.9        | 96.1        | 94.8        | 97.4        | 94.6        | 93.0        | 96.3        |
| Veracruz            | 90.4        | 88.7        | 92.2        | 89.6        | 88.0        | 91.3        | 93.4        | 91.9        | 95.0        | 94.8        | 93.5        | 96.1        | 95.0        | 93.8        | 96.3        | 94.3        | 92.8        | 95.9        | 92.8        | 91.6        | 94.1        |
| Yucatán             | 90.0        | 88.3        | 91.8        | 91.4        | 89.9        | 93.0        | 93.6        | 92.1        | 95.1        | 95.2        | 93.8        | 96.6        | 95.4        | 94.1        | 96.7        | 93.4        | 91.3        | 95.8        | 91.7        | 89.8        | 93.6        |
| Zacatecas           | 96.5        | 94.8        | 98.4        | 98.2        | 97.1        | 99.3        | 97.4        | 96.0        | 98.8        | 99.3        | 98.5        | 100.0       | 97.5        | 96.5        | 98.6        | 94.0        | 92.1        | 95.8        | 91.5        | 89.4        | 93.7        |
| <b>NACIONAL</b>     | <b>94.2</b> | <b>93.2</b> | <b>95.4</b> | <b>94.3</b> | <b>93.2</b> | <b>95.4</b> | <b>96.0</b> | <b>95.1</b> | <b>96.9</b> | <b>96.9</b> | <b>96.1</b> | <b>97.7</b> | <b>96.8</b> | <b>96.0</b> | <b>97.6</b> | <b>94.1</b> | <b>92.5</b> | <b>95.8</b> | <b>92.6</b> | <b>91.0</b> | <b>94.2</b> |

Fuente: INEE, cálculos con base en las *Estadísticas continuas del formato 911* (inicio de los ciclos escolares 2009/2010 y 2010/2011), SEP-DGP.

## AT02f-A2 Tasa de promoción por entidad federativa, nivel educativo, tipo de sostenimiento y grado escolar (2010/2011)

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| Entidad federativa  | PRIMARIA    |             |             |             |             |             |             |             |             |             | SECUNDARIA  |             |             |             |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Público     |             |             |             |             | Privado     |             |             |             |             | Público     |             | Privado     |             |
|                     | 1° a 2°     | 2° a 3°     | 3° a 4°     | 4° a 5°     | 5° a 6°     | 1° a 2°     | 2° a 3°     | 3° a 4°     | 4° a 5°     | 5° a 6°     | 1° a 2°     | 2° a 3°     | 1° a 2°     | 2° a 3°     |
| Aguascalientes      | 94.1        | 96.3        | 97.8        | 97.4        | 97.4        | 99.4        | 95.2        | 97.3        | 96.4        | 98.2        | 94.3        | 92.1        | 98.8        | 99.7        |
| Baja California     | 99.0        | 93.8        | 96.2        | 98.1        | 96.7        | 97.2        | 94.4        | 94.9        | 96.3        | 97.3        | 94.7        | 92.4        | 97.2        | 97.4        |
| Baja California Sur | 93.8        | 95.1        | 97.7        | 98.0        | 96.8        | 96.2        | 94.4        | 97.0        | 97.8        | 100.5       | 97.0        | 94.4        | 97.3        | 94.4        |
| Campeche            | 91.8        | 93.2        | 95.3        | 96.7        | 94.8        | 93.6        | 95.7        | 96.2        | 95.8        | 97.1        | 93.9        | 90.8        | 101.5       | 94.9        |
| Coahuila            | 101.1       | 98.9        | 100.2       | 100.8       | 99.8        | 98.5        | 97.2        | 98.9        | 98.7        | 100.1       | 91.2        | 89.8        | 95.5        | 98.1        |
| Colima              | 96.9        | 97.4        | 97.8        | 99.0        | 99.4        | 97.3        | 96.1        | 97.2        | 100.1       | 95.3        | 93.0        | 90.7        | 96.7        | 99.8        |
| Chiapas             | 89.1        | 89.6        | 91.8        | 93.9        | 94.3        | 96.7        | 97.5        | 98.3        | 96.9        | 99.8        | 93.9        | 92.9        | 98.6        | 97.8        |
| Chihuahua           | 97.5        | 92.8        | 93.6        | 97.3        | 94.5        | 96.2        | 93.7        | 93.8        | 94.2        | 94.6        | 91.0        | 90.5        | 95.7        | 92.4        |
| Distrito Federal    | 98.7        | 97.4        | 98.1        | 99.1        | 97.8        | 96.8        | 95.9        | 96.5        | 96.6        | 97.6        | 92.6        | 89.6        | 98.3        | 96.2        |
| Durango             | 97.0        | 96.1        | 96.9        | 98.4        | 97.4        | 96.0        | 96.6        | 95.9        | 97.0        | 97.4        | 93.3        | 90.6        | 98.7        | 99.1        |
| Guanajuato          | 98.3        | 97.2        | 98.4        | 98.6        | 98.1        | 98.2        | 96.3        | 95.8        | 97.0        | 98.3        | 93.6        | 92.1        | 98.5        | 97.1        |
| Guerrero            | 88.7        | 90.3        | 92.6        | 94.1        | 94.7        | 93.7        | 93.8        | 92.7        | 95.0        | 95.7        | 95.0        | 92.4        | 96.0        | 95.1        |
| Hidalgo             | 96.2        | 94.7        | 96.6        | 97.3        | 97.9        | 100.1       | 98.7        | 96.8        | 99.4        | 100.1       | 97.1        | 95.4        | 101.2       | 100.5       |
| Jalisco             | 92.6        | 94.2        | 96.5        | 97.4        | 96.9        | 97.2        | 97.3        | 97.2        | 97.2        | 98.2        | 91.7        | 91.1        | 96.6        | 96.7        |
| México              | 95.8        | 96.3        | 97.7        | 98.1        | 97.9        | 98.1        | 97.2        | 96.6        | 97.3        | 98.0        | 94.9        | 93.1        | 97.0        | 97.4        |
| Michoacán           | 87.7        | 88.2        | 91.7        | 91.7        | 92.3        | 97.1        | 96.7        | 96.2        | 96.4        | 96.1        | 90.2        | 88.0        | 99.1        | 95.8        |
| Morelos             | 95.7        | 97.4        | 98.3        | 99.0        | 99.5        | 96.5        | 96.3        | 97.1        | 95.3        | 95.7        | 94.2        | 93.0        | 97.3        | 97.4        |
| Nayarit             | 96.8        | 97.2        | 97.2        | 98.6        | 98.0        | 96.9        | 97.6        | 96.3        | 94.2        | 97.1        | 95.3        | 93.9        | 97.8        | 99.7        |
| Nuevo León          | 97.6        | 96.5        | 98.3        | 98.1        | 98.8        | 95.1        | 95.1        | 95.3        | 96.1        | 97.2        | 94.7        | 94.1        | 96.4        | 97.4        |
| Oaxaca              | 86.7        | 90.4        | 93.0        | 93.7        | 94.3        | 97.1        | 93.9        | 93.9        | 95.1        | 94.3        | 94.2        | 93.2        | 100.1       | 100.1       |
| Puebla              | 94.5        | 93.7        | 95.5        | 96.0        | 96.3        | 95.7        | 95.7        | 96.4        | 97.6        | 98.1        | 94.4        | 93.5        | 101.6       | 101.9       |
| Querétaro           | 95.1        | 95.0        | 97.1        | 97.6        | 97.6        | 100.7       | 100.3       | 99.3        | 99.8        | 99.7        | 92.1        | 91.8        | 99.7        | 100.1       |
| Quintana Roo        | 95.2        | 91.6        | 97.8        | 93.8        | 98.9        | 98.0        | 97.0        | 99.3        | 101.8       | 101.8       | 94.9        | 93.1        | 102.7       | 98.3        |
| San Luis Potosí     | 93.4        | 94.0        | 95.5        | 96.3        | 96.4        | 96.9        | 95.0        | 95.7        | 96.0        | 95.4        | 95.1        | 93.5        | 96.7        | 95.8        |
| Sinaloa             | 91.3        | 96.4        | 97.4        | 97.8        | 96.5        | 95.7        | 96.2        | 96.3        | 96.5        | 97.8        | 93.5        | 91.7        | 98.4        | 98.7        |
| Sonora              | 99.0        | 99.0        | 98.9        | 100.4       | 99.2        | 97.2        | 94.3        | 94.4        | 95.6        | 96.8        | 95.5        | 93.2        | 98.2        | 100.3       |
| Tabasco             | 90.7        | 92.2        | 94.8        | 97.7        | 101.6       | 93.3        | 94.6        | 94.7        | 97.1        | 96.3        | 94.2        | 92.4        | 96.4        | 95.9        |
| Tamaulipas          | 94.4        | 94.7        | 96.1        | 96.6        | 96.7        | 93.7        | 91.7        | 93.0        | 93.1        | 94.5        | 93.5        | 91.7        | 96.3        | 93.9        |
| Tlaxcala            | 98.4        | 97.5        | 98.5        | 98.7        | 98.3        | 95.2        | 94.3        | 95.9        | 97.3        | 97.9        | 95.8        | 94.5        | 100.1       | 96.9        |
| Veracruz            | 90.0        | 89.2        | 93.2        | 94.6        | 94.8        | 97.1        | 97.0        | 97.6        | 98.6        | 98.6        | 94.0        | 92.5        | 99.1        | 98.6        |
| Yucatán             | 89.5        | 90.9        | 93.2        | 94.9        | 94.9        | 95.6        | 97.8        | 97.6        | 98.9        | 100.7       | 92.8        | 90.9        | 100.0       | 100.3       |
| Zacatecas           | 96.5        | 98.3        | 97.5        | 99.4        | 97.5        | 97.9        | 95.6        | 95.1        | 97.1        | 98.9        | 93.7        | 91.0        | 100.2       | 103.9       |
| <b>NACIONAL</b>     | <b>94.0</b> | <b>94.1</b> | <b>96.0</b> | <b>96.9</b> | <b>96.7</b> | <b>97.0</b> | <b>96.2</b> | <b>96.3</b> | <b>96.9</b> | <b>97.7</b> | <b>93.8</b> | <b>92.2</b> | <b>98.0</b> | <b>97.5</b> |

Fuente: INEE, cálculos con base en las *Estadísticas continuas del formato 911* (inicio de los ciclos escolares 2009/2010 y 2010/2011), SEP-DGP.