

U N	목 표	<b>7. Ensure access to affordable, reliable, sustainable and modern energy for all</b>
	세 부 목 표	<b>7.1 By 2030, ensure universal access to affordable, reliable and modern energy services</b>
	Indicator	<b>7.1.2 Proportion of population with primary reliance on clean fuels and technology</b>

### I. Global indicator

<Type 2>

Indicator	Proportion of population with primary reliance on clean fuels and technology
Definition	<p>The proportion of population in households with reliance on clean fuels and technologies.</p> <p>The indicator is calculated as the number of people using clean fuels and technologies for cooking, heating and lighting divided by total population reporting that any cooking, heating or lighting, expressed as percentage.</p> <p>“Clean” is defined by the emission rate targets and specific fuel recommendations (i.e. against unprocessed coal and kerosene) included in the normative guidance WHO guidelines for indoor air quality: household fuel combustion.</p>

### II. Data description

#### [Data] Proportion of population with primary reliance on clean fuels and technology

Calculation method	$\text{Proportion of population with reliance on clean fuels (\%)} = \frac{\text{No. of people using clean fuels and technologies for cooking, heating, and lighting}}{\text{Total population}} \times 100$ <p>Estimates of primary cooking energy for the total, urban and rural population for a given country and year are obtained together using a single multivariate hierarchical model. Using household survey data as inputs, the model jointly estimates primary reliance on 6 specific fuel types: 1. unprocessed biomass (e.g. wood), 2. charcoal, 3. coal, 4. kerosene, 5. gaseous fuels (e.g. LPG), and 6. electricity; and a final category including other clean fuels (e.g. alcohol). Estimates of the proportion of the population with primary reliance on clean fuels and technology (SDG indicator 7.1.2) are then derived by aggregating the estimates for primary reliance on clean fuel types from the model.</p>
Unit	Percentage(%)
Data sources	<ul style="list-style-type: none"> <li>- Fuels for cooking: Data on 157 countries obtained through the WHO Global House Energy Database.</li> <li>- Fuels for lighting and heating: Data on 76 and 16 countries, respectively, obtained from the WHO database.</li> </ul>
Calendar	<ul style="list-style-type: none"> <li>■ Time series: 2000-2018(All data for Korea are included)</li> <li>■ Data release: Annually</li> </ul>
Data compilers	WHO, Public health, Social and Environmental Determinants of health Department(PHE))
Global indicator link	<ul style="list-style-type: none"> <li>■ Metadata: <a href="https://unstats.un.org/sdgs/metadata/files/Metadata-07-01-02.pdf">https://unstats.un.org/sdgs/metadata/files/Metadata-07-01-02.pdf</a></li> <li>■ Data: <a href="https://unstats.un.org/sdgs/indicators/database/">https://unstats.un.org/sdgs/indicators/database/</a></li> </ul>