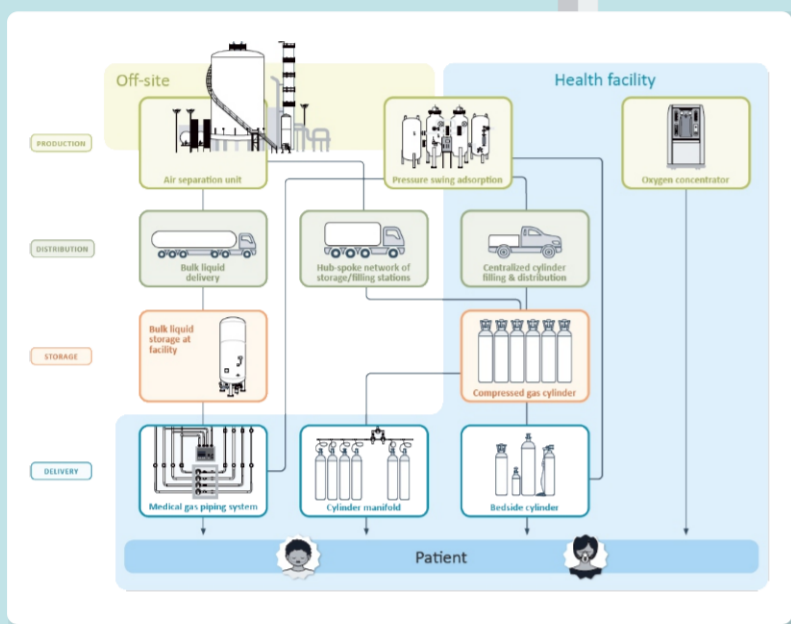




OXYGEN DEMAND & CONSEQUENCES

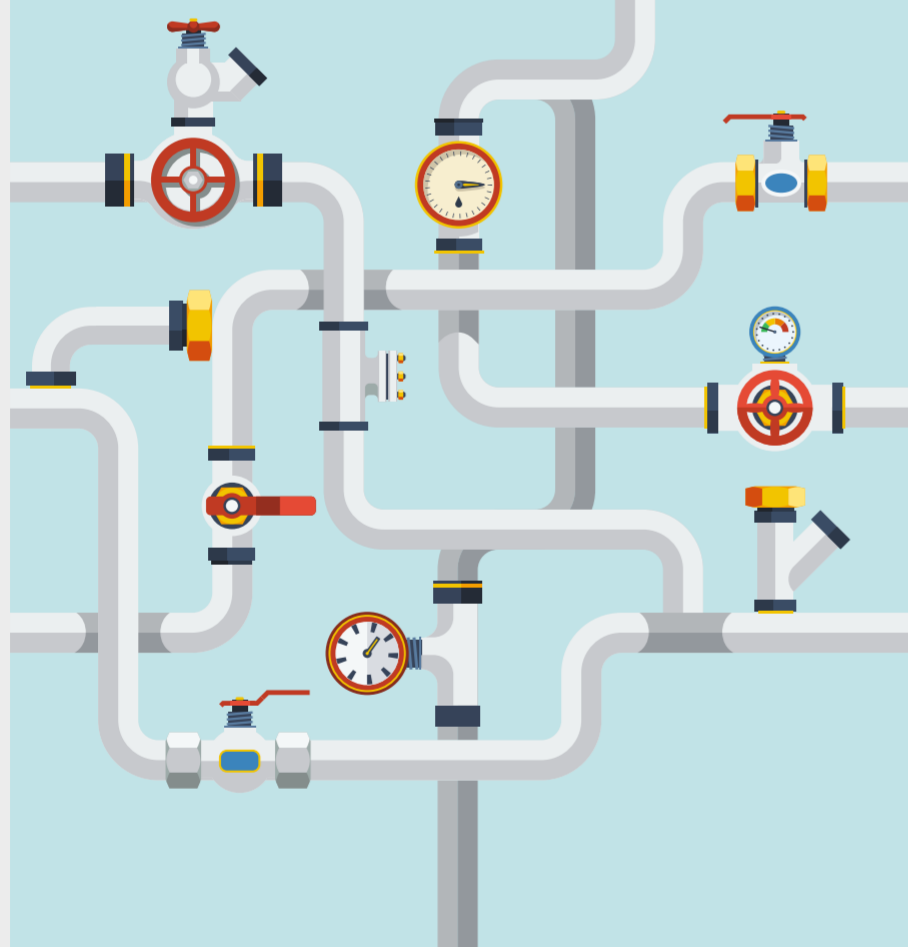
COVID - 19
April 2021

Oxygen Ecosystem



Pathways from oxygen production to distribution, storage, and delivery to the patient.

There are 3 primary ways oxygen is produced in LMICs: (1) through air separation units (ASUs), which produce liquid oxygen through cryogenic distillation in large quantities for commercial and medical purposes, (2) PSA plants, which can be operated either from a central filling hub or at a facility, and (3) oxygen concentrators, which are used directly in facilities for individual patients.



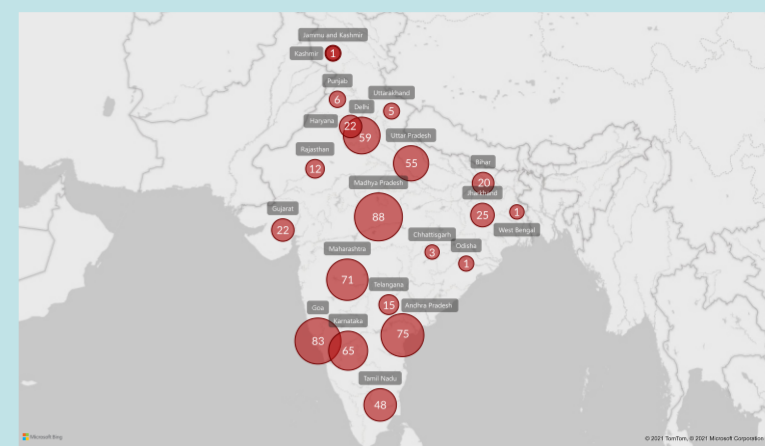
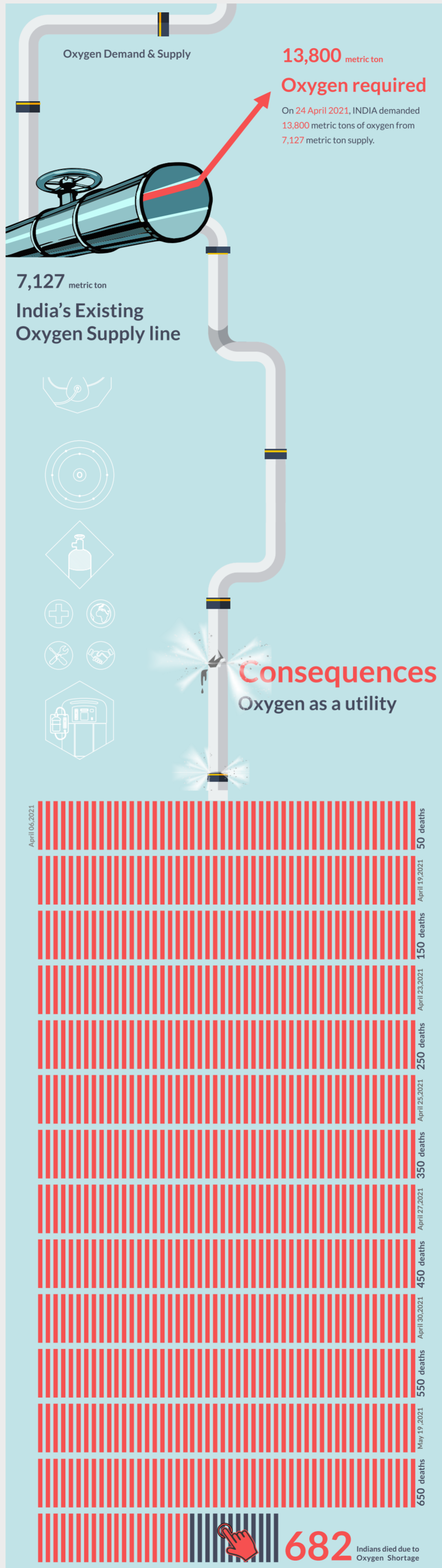
Daily oxygen needed for Covid-19 patients

Low, lower-middle and upper-middle-income countries



Cubic metres per day
 ■ 1-150k ■ 151-500k ■ 501k - 1 million ■ 1-3 million ■ 3-14 million
 □ High income country or no data
 Note: Data estimated using the World Health Organization figures for new Covid-19 cases and the % expected to require oxygen
 Source: PATH Covid-19 Oxygen Needs Tracker, 27/04/2021

13,039,251 Cubic metric tons oxygen required for INDIA on 27 April 2021.



No. of deaths due to Oxygen Shortage

Madhya Pradesh . Goa . Andhra Pradesh . Maharashtra . Karnataka . Delhi . Uttar Pradesh . Tamil Nadu . Jharkhand . Haryana . Gujarat . Bihar . Telangana . Rajasthan . Punjab . Uttarakhand . Chattisgarh . West Bengal . Odisha . Jammu & Kashmir .

THE LATEST CORONA VIRUS NEWS

- COVID-19 Testing Policies, Oct 25, 2021
<https://www.bsg.ac.uk/research/research-projects/oxford-covid-19-government-response-tracker>
- COVID-19 vaccine doses administered per 100 people.
<https://github.com/oxford-covid-19/oxford-covid-19-vaccine-doses>

DATA SOURCES

- <https://ourworldindata.org/covid>
- <https://www.bbc.com/news/world-asia-india-56891016>
- <https://park.adobe.com/page/8kr/DUJA3zZQL/>
- <https://www.statista.com/statistics/1232525/india-liquid-oxygen-figures/>
- https://twitter.com/aditipriya_0301/status/1392044066230083586
- https://projects.datameet.org/covid19/oxygen_shortage_deaths/

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UNDER THE GUIDANCE

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