Antibiotic prescription rate high in private sector

India is considered to be one of the top users of antibiotics, says report

BINDU SHAJAN PERAPPADAN NEW DELHI

The private sector clocked high levels of antibiotic prescription rates (412 per 1,000 persons per year), according to a new study by researchers at the Public Health Foundation of India (PHFI). The highest rate was seen among children aged 0-4 years (636 per 1,000 persons) and the lowest in the age group 10-19 years (280 per 1,000 persons).

The study is the first ever estimate of outpatient antibiotic prescription rates and patterns in the private sector and has been published this month in PLOS One titled -"Outpatient antibiotic pre-

IN BRIEF

Govt. asks Manickavel

to hand over all records

The government has issued

Manickavel, Special Officer,

Idol Wing CID, to hand over

cases and work done by him

and the SIT to the Additional Director General of Police of

the special wing. However.

Mr. Manickavel said the order

was "legally impermissible".

undergoes knee surgery

discharged from the SRM

Institute for Medical Science,

Chennai, on Saturday. He was

admitted for a knee surgery

on November 25. He will be carrying out official work from his residence, an official

Eight dead as van falls into river in Maharashtra

Eight persons, including five

children, were killed and 23

injured on Saturday, when a

Pradesh fell off a bridge in

Dhule district, police said.

The incident took place on

highway around 12.30 a.m. PTI

the Chalisagaon-Dhule

pick-up van carrying

labourers from Madhya

Puducherry CM

Chief Minister V.

Narayanasamy was

all records pertaining to

an order asking A.G.Ponn

scription rate and pattern in the private sector in India".

12-month period

The authors used the 12month period (May 2013-April 2014) medical audit data set and concluded that the prescription rates for certain classes are on a higher side in India as compared to the developed nations.

The study said the percentage of prescriptions for wide-spectrum antibiotics like cephalosporins and quinolones (38.2% and 16.3%) was significantly higher than the U.S. (14.0% and 12.7%) and Greece (32.9% and

Unusually high prescrip-

In large doses

A look at the outpatient antibiotic prescription rate in the

519 mn prescriptions dispensed between May 2013 and April 2014. (412 prescriptions per

1,000 persons per year) **55%** prescriptions given for diseases of the

respiratory system 10% for diseases of the genitourinary system

9% for symptoms, clinical findings



Antibiotic prescription rate highest in the age group 0-4 years

■ Most used antibiotics: beta-lactam, cephalosporins (38.2% of all prescriptions); beta-lactam, quinolones(16.3%)

tion rates of beta-lactamspenicillins and cephalosporins in uncomplicated upper respiratory infections in children is in stark contrast to the prescription rates and pattern reported in Europe.

India is considered to be one of the top users of antibiotics and there is a growing problem of antimicrobial re-

The study noted that the per capita antibiotic consumption in the retail sector has increased by around 22% in five years from 2012 to

Clinical guidelines

Though clinical guidelines on judicious antibiotic use explicitly mentions that they should not be prescribed for common cold, non-specific upper respiratory tract infection (URI), acute cough illness and acute bronchitis, the study shows a high rate of prescriptions for respiratory infections in primary

The study highlighted that of the 519 million antibiotic prescriptions, the majority were dispensed for the diseases of the respiratory system (55%), followed by genitourinary system (10%) and symptoms, signs and abnormal clinical findings (9%); generally these infections are viral in origin and selflimiting in nature.

Dr. Shaktivel Selvaraj, director - Health Financing and Economics, PHFI and one of the authors of the study said: "Irrational prescription and use of antibiotics has its origins in production and selling tactics of pharma companies. There is a need to target antimicrobial stewardship programmes to specific constituencies and stakeholders to raise awareness on antibiotics and prevent its misuse."

The misuse of antibiotics and easy access fuels antimicrobial resistance (AMR) which is a growing concern worldwide and in India.

RAINFALL, TEMPERATURE & AIR QUALITY IN SELECT METROS YESTERDAY

Forecast for Sunday: Thunderstorm accompanied with lightning very likely at isolated places over Rayalaseema, coastal and south interior Karnataka, Kerala, Mahe, coastal Andhra Pradesh, Yanam, Tamil Nadu, Puducherry, Karaikal and Lakshadweep.

CITY	RAIN	MAX	MIN	CITY	RAIN	MAX	MIN
Agartala		29.3	16.3	Kozhikode	11.8	33.0	24.6
Ahmedabad		30.1	19.0	Kurnool		33.0	21.2
Aizawl		23.8	11.9	Lucknow		26.8	13.6
Allahabad		29.3	15.6	Madurai	16.9	28.6	23.4
Bengaluru	1.6	27.0	18.7	Mangaluru		35.9	24.0
Bhopal		28.9	16.0	Mumbai		33.6	23.0
Bhubaneswar		–	19.5	Mysuru		24.4	19.1
Chandigarh		22.8	10.6	New Delhi		22.8	12.0
Chennai	. 20.2	30.6	24.4	Patna		28.6	15.4
Coimbatore	1.2	28.7	22.0	Port Blair		31.3	26.9
Dehradun		26.1	10.0	Puducherry	8.2	25.6	22.4
Gangtok		16.4	8.5	Pune		30.6	19.2
Goa		33.4	24.4	Raipur		30.4	18.4
Guwahati		30.5	16.3	Ranchi		26.2	14.4
Hubballi		29.0	20.0	Shillong		20.5	7.6
Hyderabad		30.2	20.6	Shimla		16.7	4.9
Imphal		23.0	9.5	Srinagar		10.6	2.7
Jaipur		22.9	15.5	Thiruvananthapuram	21.9	29.2	24.8
Kochi				Tiruchi			
Kohima		24.2	9.0	Vijayawada		31.8	23.2
Kolkata				Visakhapatnam			
(Dainfall data	n mm.	tompor	atura in	Colsius)			

284 .176 16 .32 51 .96 44 ..279 .217 18 .79 37 ..231 80 .17 51 ..177 Visakhapatnam 11 .38 36 ..128 .104

In observation made at 6.00 p.m., Singrauli, Madhya Pradesh recorded an overall air quality index (AQI) score of 339 indicating a dangerous level of pollution. In contrast, Tirupati, Andhra Pradesh recorded a healthy AQI score of 31.

Air Quality Code: ■ Poor ■ Moderate ■ Good (Readings indicate average AQI) SO2: Sulphur Dioxide. Short-term exposure can harm the respiratory system making breathing difficult. It can affect visibility by reacting with other air

NO2: Nitrogen Dioxide. Aggravates respiratory illness, causes haze to form by reacting with other air particles, causes acid rain, pollutes coastal waters.

CO: Carbon monoxide. High concentration in air reduces oxygen supply to critical organs like the heart and brain. At very high levels, it can cause dizziness, confusion, unconsciousness and even death

PM2.5 & PM10: Particulate matter pollution can cause irritation of the eyes, nose and throat, coughing, chest tightness and shortness of breath, reduced lung function, irregular heartbeat, asthma attacks, heart attacks and prematur death in people with heart or lung disease

'Report on forests soon'

Exercise to ascertain increase or decrease in cover: Minister

ЈАСОВ КОЅНУ

The Environment Ministry is likely to release an update on the state of forests in India in December, Environment Minister Prakash Javadekar said on Saturday.

The India State of Forest Report (ISFR) is a biennial exercise to estimate the forest cover, the density of forest vegetation, tree cover across States, and the progress of plantation outside regions officially designated 'forest.'

Mapping, surveys

The exercise involves both satellite mapping and surveys to map increase or decrease in forest cover. Mr. Javadekar was addressing a meeting of Forest officials and Ministers on the utilisation of the Compensatory Af-



Natural reserve: A view of the Belghar forest hills in Kandhamal district of Odisha. BISWARANJAN ROUT

forestation Funds. The law prescribes how the funds collected by the Centre from industrial projects for razing forests can be used by States. Forest Ministers from Himachal Pradesh, Telangana, Meghalaya, Mizoram, Nagaland and Tripura were present.

"There are nearly 12 crore trees planted over the last five years and we will be giving yearly updates on how

they are progressing. Details on how States are progressing with improving forest cover will be available in the report next month," Mr. Javadekar said. Director-General

ests), Siddhanta Das, told The Hindu that all the data on the ISFR was ready.

The latest ISFR, or the report of 2017, was released in February 2018, after a delay of nearly three months.

Cong. alleges ₹5,000-cr. mining scam in Haryana

Party demands probe by sitting judge

VIKAS VASUDEVA

Hitting out at the new BJP-Jannayak Janta Party government in Haryana, the Congress on Saturday alleged that a ₹5,000-crore mining scam had taken place during the previous BJP government in the State and demanded a probe by a sitting

Congress leader Randeep Singh Surjewala and party's State unit president Kumari Selja told a press conference that the latest Comptroller and Auditor General of India report on the revenue sector of Haryana for 2017-18 has highlighted serious irregularities in the execution of mining projects. The CAG had detected a loss of ₹1,476 crore in the Mines and Geol-

ogy Department due to irregularities in execution of projects. The Congress leaders said

that in Haryana the alleged connivance of the BIP government with the mining mafia had been exposed a number of times earlier. "Now the CAG report has exposed the BJP government's attitude of turning a blind eye to illegal mining and not recovering dues from mining contractors and overexploiting the rivers of Haryana for valuable mineral wealth." "The CAG report has found that the mining contractors are extracting minerals from double the number of areas and causing the State a loss of more than ₹5,000 crore annually," they

Two Naxals killed in encounter in Maharashtra

Police raided a training camp of Naxals in Maharashtra's Gadchiroli district on Saturday and killed two rebels in an encounter, officials said. The encounter took place in Bhamragad, ahead of the 'Peoples Liberation Guerrilla Army Week' which the Naxals observe from December 2 to 8.

None should be stigmatised for a crime committed as a juvenile: SC

Law requires all past records be erased to afford them a fresh start in life, the court said

KRISHNADAS RAJAGOPAL

A person should not be stigmatised for a crime committed as a juvenile, the Supreme Court has held.

The law requires all past records of a juvenile's crime to be erased to afford him a Lalit and Vineet Saran made it was revealed in an official

fresh start in life.

The objective of the Juvenile Justice Act is to reintegrate a person who committed a crime while under 18 rather than punishing him perpetually.

A Bench of Justices U.U.

the observations in a short judgment on November 29 while upholding the appointment of a man as a SI in the Central Industrial Security Force (CISF)

The authorities had cancelled his appointment after form that a criminal case had once been registered against him for teasing a girl while he was a juvenile.

However, he was acquitted after the girl's parents had 'pardoned' him and refrained from testifying in

pirac

The Rajasthan government had ordered the government to appoint him, but the Centre chose to appeal to the apex court, last

The judgment, authored by Justice Saran, upheld the High Court decision.

SOUTHERN RAILWAY

INDICATIVE ADVERTISEMENT No.CPB/P1/98/Act/TP/Vol.XXI dated: 29.11.2019 It is proposed to engage Act Apprentices for the year 2020 at Southern Railway. The establishments and the vacancies are Southern Railway furnished hereunder

01.110.	Lotabilotificit	Vacanticies				
1.	Carriage Works, Perambur	1208				
2.	Central Workshop, GOC	723				
3.	Signal & Telecom Workshop, Podhanur	1654				
The candidates should have the qualification of Matriculation/ITI. The candidates should be in the age group 15-24. The candidates should apply						

online through https://www.sr.indianrailways.gov.in// -> News & Updates

The candidates are eligible for stipend as prescribed under the Apprentices Act. The selection is on the basis of merit list prepared based on the marks secured n the Xth Std and ITI in respect of all the candidates who apply against the

he candidates have to Pay Rs.100/- as processing fee through online mode

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biracbig.dbt@nic.in | sped01.birac@nic.in



Bid Submission Last Date: 21.12.2019, SATURDAY, 5:30 PM
Date and Time of Opening Price Bid: To Be Intimated Separately to Technically Qualified Bidders by mail. All the RFP documents and details are available on the e-Procurement Website. Bids are only accepted online on the Website https://detanders.kerala.gov.in
(Sd/-) CHIEF EXECUTIVE OFFICER, SMART CITY THIRUVANANTHAPURAM Ltd.

Biotechnology Industry Research Assistance Council (BIRAC)

(A Govt. of India Enterprise)

Invites Applications

Social Innovators (SPARSH Fellows)

Social Innovation Immersion



SPARSH is the social innovation program of BIRAC and SIIP (Social Innovation Immersion Program) is one of its components under which a pool of "Social Innovators/SPARSH Fellows" is being created to identify and address the social problems through biotechnological interventions.

The program is being implemented through 14 SPARSH Centres who would provide all the requisite support to the Social Innovators in following thematic areas:

- Maternal and Child Health
- Ageing and Health

Features:

Rs 50,000 pm fellowship

Clinical/ Rural Immersion

Mentoring by experts

Access to BIRAC network

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Opportunities for future funding

- Food and Nutrition
- Waste to Value
- Combating environmental pollution Agri Tech

Eligibility:

Indian undergraduate (B.Tech, BE, MBBS) or postgraduate (MSc, MS, M.Tech, MPhil, MD) & PhD below 35 years from fields of Life Sciences, Agriculture, Engineering, Medicine & Human Biology.

For submitting application and queries please log in to BIRAC website www.birac.nic.in Contact: GM & Head Investment, E-mail: investment.birac@gov.in or Sr. Manager, E-mail: sgandhi.birac@nic.in

Last date : 15th January, 2020



