



DIRECTORATE GENERAL  
HEALTH SERVICES SINDH HYDERABAD

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(E-Mail: [dghealthsindh@sindhhealth.pk](mailto:dghealthsindh@sindhhealth.pk))

NO. DGHSS / G-VI / -

28892/28971

DATED: 19/7/2017

To,

The Director Health Services Division, (All).

The Executive Director, JPMC / NICVD / NICH Karachi.

The Medical Superintendent,  
Services Hospital Karachi / Lyari General Hospital Karach / Civil Hospital  
Karachi / CMC Larkana / LUH Hyderabad / GMMMC Sukkur / SGH Qatar /  
SGH Liaquatabad / SGH Korangi No. 5 / SGH New Karachi / Abbassi Shaheed  
Hospital Karachi / SGH Ibrahim Hyderi / SGH Saudabad Karachi / Services  
Hospital Hyderabad / SGH Qasimabad / Shah Bhitai Govt: Hospital Latifabad /  
SGH Paretabad / Anwar Parachi Govt: Hospital Sukkur / PMCH Nawabshah /  
Gambat Institute of Health Sciences Gambat / Shahdadpur Institute of Health  
Sciences Shahdadpur, Sir C.J Institute of Psychiatry Hyderabad / Institute of  
Chest Diseases Katri / Institute of Skin Diseases Karachi.

The District Health Officer, (All).


The Medical Superintendent, (All).

**SUBJECT:** ADVISORY FOR THE PREVENTION AND CONTROL OF TYPHOID FEVER.

Reference:- Government Letter NO: SO(Tech-I)9-33 / 2018 Dated 25-06-2018

A photocopy of letter NO: F. 1(24)2016-IPC Dated June 8, 2018 along with  
Advisory for the Prevention and Control of Typhoid Fever received through Government of  
Sindh Health Department vide letter quoted under reference is hereby sent for further  
necessary action.

(Encl: as above).

  
DIRECTOR GENERAL  
HEALTH SERVICES SINDH HYDERABAD

C.c. to:

1. The Secretary to Government of Sindh Health Department Karachi.
2. The Executive Director, National Institute of Health, Islamabad.
3. The Section Officer (IP) Ministry of Inter Provincial (IPC Division) Islamabad.



No.SO(Tech-I) 9-33/2018  
**GOVERNMENT OF SINDH**  
**HEALTH DEPARTMENT**  
 Karachi dated the 25<sup>th</sup> June, 2018

To,

✓ The Director General Health Services Sindh  
Hyderabad.

SUBJECT: ADVISORY FOR THE PREVENTION AND CONTROL OF TYPHOID FEVER.

I am directed to refer to the subject noted above and to enclose herewith a letter received from Section Officer (IPS) Ministry of Inter Provincial Coordination (IPC Division), Islamabad alongwith ADVISORY FOR THE PREVENTION AND CONTROL OF TYPHOID FEVER.

2. You are requested to widely circulate the said advisory to all concerned including teaching hospitals for taking necessary steps / measures, under intimation to all concerned and this department.

Depss  
 @  
 17/7

*Dr*  
 25-6-2018.  
**OFFICER ON SPECIAL DUTY**

A copy is forwarded to:-

- Prof. Brig. Dr. Aamer Ikram, SI(M), Executive Director, National Institute of Health, Islamabad.
- Dr. Syed Muhammad Taha Mashhadi Section Officer (IPS) Ministry of Inter Provincial Coordination (IPC Division), Islamabad w/r to his letter No. F. 1(24) 2016-IPC dated: 08.06.2018.

*Copy*  
 Create  
 Dr. Waqar  
 13/7

*Gen: Dr*  
 13/7

*Dr. Waqar Sr.*  
 13/7



Ums. 63967812

Most Immediate  
By T.C.S./U.M.S

29752  
12/06

GOVERNMENT OF PAKISTAN  
MINISTRY OF INTER PROVINCIAL COORDINATION  
(IPC DIVISION)

<>>

No. F. 1(24)2016-IPC

Islamabad, the June 8, 2018

To,

1. The Chief Secretary, Government of the Punjab, Lahore
2. The Chief Secretary, Government of Sindh, Karachi
3. The Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar
4. The Chief Secretary, Government of Balochistan, Quetta

**Subject: - ADVISORY FOR THE PREVENTION AND CONTROL OF TYPHOID FEVER.**

Sir,

I am directed to refer to the above noted subjects and to forward herewith a copy of letter F.No.1-51- Inf/FE&DSD/2018 dated 05-06-2018 received from Field Epidemiology & Disease Surveillance Division, National Institute of Health, which is self-explanatory, for further necessary action.

Encl: As above.

Under CS Directive  
For Perusal and  
n/a pl.

PS TO CS  
18

Yours sincerely,

SGA & CD (R & D)  
DY. NO. 4327  
DATED: 12-6-18

12/6/18  
Secy. (Health) / LG / I&C

(Dr. Syed Muhammad Taha Mashhadi)  
Section Officer (IPC)  
Ph: 051-9103508

Copy for information to :-

Prof. Brig. Dr. Aamer Ikram, SI(M), Executive Director, National Institute of Health, Islamabad w.r.to his letters quoted to above.

SS (PH) 13/6

PS TO CHIEF SECRETARY SINDH  
Diary No. 16141  
Inward Date 12/6/18  
Outward Date

9-33/2018

MOST URGENT



No. F:1-51-Inf/FE&DSD/2018  
**Field Epidemiology & Disease Surveillance Division**  
**National Institute of Health**  
**Ministry of National Health Services, Regulations & Coordination**  
Ph: (92-51) 9255237, 9255117 Fax: (92-51) 9255575, 9255099

National Focal Point for International Health Regulations

5/6 June 2018

Subject: Advisory for Prevention and Treatment of Typhoid Fever

Increased number of typhoid fever cases in the country and isolation of multidrug resistant *Salmonella typhi* especially the Ceftriaxone resistant strains circulating in Hyderabad and other areas of Sindh. The situation demands immediate necessary measures to curtail further transmission, timely and prompt treatment of typhoid cases. The objective of this advisory is to sensitize health authorities to take in-time and appropriate actions for preparedness and prevention of typhoid fever. The disease is endemic in Pakistan and numerous outbreaks are reported during summer and monsoon seasons each year.

**Case Definition:**

**Suspected Case:** Any person with acute illness and fever of at-least 38°C for 3 or more days with abdominal symptoms like diarrhea, constipation, abdominal tenderness and prostration.

**Probable Case:** A suspected case with a positive sero-diagnosis but no *S. typhi* isolated or a clinical compatible case that is epidemiologically linked to a confirmed case in an outbreak.

**Confirmed Case:** A suspected/ probable case that is laboratory confirmed by isolation of *S. typhi* from blood/ stool or urine.

**Mode of Transmission:**

Typhoid infection occurs through feco-oral route and infection spreads through contaminated food, milk, frozen fruits and water or through close contact with already infected persons. The contamination of food and water usually occurs due to poor sanitation and mixing of sewerage water with drinking water

Incubation period depends on the inoculum size and host factors; 3 days to more than 60 days with a usual range of 8 to 14 days. Preschool children are at greater risk of developing disease and usually have milder symptoms than the adults do. Travelers to, or workers in endemic areas and care givers of the patient infected with *Salmonella typhi* are also at higher risk.

OFFICE OF THE DS (IPC)  
Dy. No. 178  
Dated 7/6/18

Dy. No. 1331/2018 (AS/IPC)  
Dated 07.06.2018

Secretary (IPC) Division  
Cabinet Secretariat  
Dy. No. 54-13  
Dated 7/6/18

S.O (IPC)

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AS (IPC)

DS (IPC) 12-6  
Focus = Same to the previous plg.  
(ASAT)

Same to the previous plg.  
7/6/18



**Diagnosis:**

- *S. typhi* can be isolated from blood during the first week of illness or from stool and urine after the first week of illness.
- Widal and Typhidot have little diagnostic value for individual patient diagnosis due to limited sensitivity and specificity.

**Treatment:**

Patients having history compatible with case definition(s) should immediately report to the hospital. Antibiotics should be taken according to doctor's instructions and full course should be completed. Unnecessary use of antimicrobial agents should be discouraged to treat the patients presenting with fever.

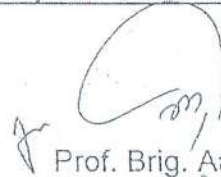
**Preventive measures and Vaccination:**

- Thorough hand washing with soap and water is recommended after using toilet, before and after attending patient, before handling, cooking and eating is highly recommended.
- Drink boiled, bottled or treated water. Use ice, made from clean drinking water preferably boiled water. Wash fruits and vegetable properly before eating them. Eat freshly cooked, hot served and home-made food.
- Avoid eating raw fruits or vegetables, market prepared or leftover food. Do not drink untreated or contaminated water and milk.
- Typhoid conjugate vaccine (Typhbar-TCV®) is a new conjugate vaccine with longer immunity. WHO has prequalified the first conjugate vaccine in December 2017 to prevent typhoid fever.
- Vaccination should be considered for who are travelling to endemic areas, high risk group of people and those who are exposed to the disease. Typhoid fever vaccines do not provide 100% protection however they will reduce the severity of the illness.

**Laboratory Diagnosis and NIH Support:**

- Lab tests for typhoid fever should be recommended to those who fulfill criteria of suspected case definition available at NIH website ([www.nih.org.pk](http://www.nih.org.pk)).
- For any further assistance in this context, the Field Epidemiology & Disease Surveillance Division (FE&DSD) (051 – 9255237 and Fax No. 051-9255575) and Public-Health Laboratories Division (051-9255082), NIH may be contacted.

The above 'Advisory' may please be circulated widely to all concerned.



Prof. Brig. Aamer Ikram, SI(M)  
Executive Director



### Distribution:

- i. Surgeon General, Pakistan Army
- ii. Director General Health Services, Department of Health, Government of the Punjab, Lahore
- iii. Director General Health Services, Department of Health, Government of Sindh, Hyderabad
- iv. Director General Health Services, Department of Health, Government of KPK, Peshawar
- v. Director General Health Services, Department of Health, Government of Balochistan, Quetta
- vi. Director General Services, Department of Health, Government of Gilgit-Baltistan, Gilgit
- vii. Director General Health, Department of Health, Government of AJK, Muzaffarabad
- viii. President, Pakistan Medical & Dental Council; for information & onward distribution to all public & private medical colleges and attached hospitals.
- ix. Director Health Services, FATA, Peshawar
- x. Director Central Health Establishment, Islamabad
- xi. Executive Director, Pakistan Institute of Medical Sciences, Islamabad
- xii. Executive Director, Federal Government Polyclinic Hospital, Islamabad
- xiii. Director, Federal General Hospital, Islamabad
- xiv. Executive Director, Capital Hospital, Islamabad
- xv. Director Health Services, Capital Development Authority, Islamabad
- xvi. District Health Officer, ICT, Islamabad
- xvii. Executive Director, Shifa International Hospital, Islamabad
- xviii. Chairman, Aga Khan University Hospital, Karachi

### Copies:

- i. Secretary, Department of Health, Government of the Punjab, Lahore
- ii. Secretary, Department of Health, Government of Sindh, Karachi
- iii. Secretary, Department of Health, Government of KPK, Peshawar
- iv. Secretary, Department of Health, Government of Balochistan, Quetta
- v. Secretary, Department of Health, Government of AJK, Muzaffarabad
- vi. Secretary, Department of Health, Government of Gilgit-Baltistan, Gilgit
- vii. Chief Commissioner, Islamabad Capital Territory, Islamabad
- viii. Director Programs, Ministry of NHSRC, Islamabad
- ix. Director General, National Health Emergency, Preparedness & Response Network (NHEPRN), Islamabad
- x. Director, Central Health Establishment (CHE), Islamabad
- xi. PS to Secretary, Ministry of NHSRC, Islamabad
- xii. PS to Secretary, Ministry of Inter Provincial Coordination, GoP, Islamabad
- xiii. PS to Secretary, Capital Administration & Development Division, GoP, Islamabad