

# DIALYSIS REGISTRY

OF

PAKISTAN

2014



## **THE KIDNEY FOUNDATION**

C/o National Institute of Kidney & Urological Diseases (NIKUD)

Gate No. 4, Haque Nawaz Jhangvi Road

University of Karachi, KARACHI - PAKISTAN

PHONE: (92-21) 34658788 FAX: (92-21) 34658733

E-mail: [exceldia@cyber.net.pk](mailto:exceldia@cyber.net.pk) Website: [www.kidneyfoundation.net.pk](http://www.kidneyfoundation.net.pk)



Dialysis Registry of Pakistan  
Copyright© 2002 The Kidney Foundation

**Published by:**

**THE KIDNEY FOUNDATION**

C/o National Institute of Kidney & Urological Diseases (NIKUD),  
University of Karachi,  
Gate No. 4, Haque Nawaz Jhangvi Road,  
Karachi. Phone: (92-21) 34658788 Fax: (92-21) 34658733  
E-mail: [exceldia@cyber.net.pk](mailto:exceldia@cyber.net.pk) • [www.kidneyfoundation.net.pk](http://www.kidneyfoundation.net.pk)

**All rights reserved.** No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the permission of **The Kidney Foundation**.



## Content

		<u>Page No.</u>
Preface		05
Dialysis Centers of Pakistan		06
Growth of Dialysis Facility in Pakistan	Table 1	25
Dialysis facility - Province wise break-up	Table 2	26
Dialysis facility - Punjab	Table 3	27
Dialysis facility - Sindh	Table 4	28
Dialysis facility - Khyder Pukhtun Khuwa	Table 5	29
Dialysis Centers within Hospital	Table 6	30
Funding of Dialysis Centers	Table 7	31
Use of Treated Water	Table 8	32
Reuse of Dialyzer	Table 9	33
Dialysis Center Bath	Table 10	34
Dialysis facility for HbsAg positive patients	Table 11	35
Dedicated machines for HCV positive patients	Table 12	36
Age of Patients	Table 13	37
Age of Patients-Province Wise Distribution	Table 14	38
Gender of Patients	Table 15	39
Cause of End Stage Kidney Diseases (ESKD) Centers wise	Table 16	40
Cause of End Stage Kidney Diseases (ESKD) Patients wise	Table 17	41



---

## Content

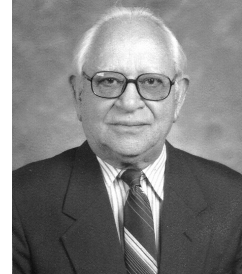
---

		<u>Page No.</u>
Cause of End Stage Kidney Diseases (ESKD) Etiology wise	Table 18	42
Supervision of Dialysis Clinic	Table 19	43
Dietitian of Social Workers	Table 20	44
Dialysis Frequency	Table 21	45
Type of Dialysis Membrane	Table 22	46
Centers preference for Dialyzer Membrane	Table 23	47
Patients on Iron Therapy	Table 24	48
Patients on Erythropoietin	Table 25	49
Survival of Dialysis	Table 26	50
Mortality of Dialysis	Table 27	51
Cause of Death	Table 28	52
Associated diseases in Dialysis patients	Table 29	53



---

## Preface



I am grateful to doctors who agreed to share their data for the benefits of others who are involved in dialysis. Many centers did not provide data. I am not sure about the reason. In inspite of our repeated telephone calls and emails, there has been no response. It is possible that some may have closed down because of financial constraints. I am told by my colleagues in Punjab that dialysis facilities are available in all the districts of Punjab free of cost. These centers probably are not supervised by nephrologists so the number of the dialysis centers and their data is not available.

The registry is in your hands now. I appeal to you again to share your data with us so that every-one of us is benefited.

I am grateful to Mr. Muhammad Adil who has been very helpful and made every effort to contact the various centers in the country. Dr. S.M. Absar always gives us helping hand which he did in inspite of his commitments, I am grateful to him.

I request you to send your data for the next registry at the earliest so that registry gets input of everybody involved in dialysis.

I thank again for your help and co-operation.

***Prof. S. A. Jaffar Naqvi***  
Chief Executive & Secretary  
The Kidney Foundation



## PARTICIPATING CENTRES

### AZAD KASHMIR

#### MIRPUR

1. **D.H.Q. Teaching Hospital,**  
Kidney Dialysis Centre. Azad Kashmir  
☎: 05827-921467

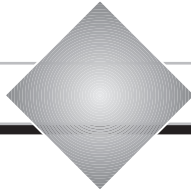
### BALUCHISTAN

#### QUETTA

2. **Baluchistan Institute of Nephrology & Urology,**  
(BINUQ) Quetta,  
☎:081-9202919, 9201966, Cell # 0345-5096000
3. **Civil Hospital,**  
Bolan Medical College,Quetta.  
☎: 081-9202017, Cell # 0345-5096000
4. **Gilani Hospital,**  
Satellite Town,.  
Quetta.  
☎: 081-2447183, Cell # 0345-5096000
5. **The Kidney General Hospital,**  
Patel Road,  
Quetta.  
Cell # 0345-5096000

### GILGIT BILTISTAN

6. **DHQ Hospital,**  
Gilgit.  
☎: 05811-920253



## PARTICIPATING CENTRES

### ISLAMABAD

7. **Armed Forces Institute of Urology,**  
Department of Nephrology,  
Islamabad.  
☎: 051-5562331
8. **Federal Govt. Services Hospital,**  
Department of Nephrology,  
Islamabad.  
☎: 051-9214965 - 9218300-9
9. **KRL Hospital,**  
Maive Area, Sector - G-9/1,  
Islamabad.  
☎: 051-9261150-01

### KHYBER PAKHTOON KHUWAN

#### MARDAN

10. **Mardan Medical Complex,**  
G. T. Road,  
Mardan  
☎: 0937-9230051

#### PESHAWAR

11. **Khyber Teaching Hospital,**  
Department of Nephrology,  
Peshawar.  
☎: 091-5700602
12. **Lady Reading Hospital,**  
Department of Nephrology,  
Peshawar.  
☎: 051-9211430-9



## PARTICIPATING CENTRES

### PUNJAB

#### ATTOCK

- 13. DHQ HOSPITAL**  
Attock.  
☎: 057- 9316070

#### BHAKKAR

- 14. D.H.Q. Hospital,**  
110, O.T. Bhakkar.  
Bhakkar.  
☎: 0453-9200195-97

#### FAISALABAD

- 15. Allied Hospital,**  
Department of Nephrology,  
Faisalabad.  
☎: 041-9210095 Ext: 310
- 16. Chiniot General Hospital,**  
209, Jinnah Colony,  
Faisalabad.  
☎: 041-2634890 - 2618764
- 17. National Hospital,**  
Department of Nephrology,  
Jinnah Colony,  
Faisalabad.  
☎: 041-2611496-7





## PARTICIPATING CENTRES

### GUJRANWALA

- 18. Allama Iqbal Memorial Trust Hospital,**  
Lucky Street,  
Asghar Ali Road,  
Gujranwala.  
☎: 0300-6436011 - 055-4290057-9
- 19. First Dialysis Centre,**  
Chaudhry Hospital,  
28-D, Satellite Town,  
Gujranwala.  
☎: 055-3842363, 0301-6639390
- 20. Laldin Hospital,**  
Near Model Town Police Station,  
Gujranwala.  
☎: 055-3253695
- 21. Rathore Hospital Dialysis Centre,**  
G.T. Road, Chand- ka qila,  
Gujranwala.  
☎: 055-290022

### GUJRAT

- 22. Khawaja Welfare Dialysis Centre,**  
Near Noor Bakery,  
Opp. Gujrat Hospital, Bhimpir Road, Gujrat.  
☎: 053-3607578, 0333-8402178
- 23. New Jinnah Dialysis Centre,**  
Jinnah Road,  
Gujrat.  
☎: 0300-8090203



## PARTICIPATING CENTRES

### HAFIZABAD

24. **D.H.Q. Hospital,**  
Dialysis Unit,  
Anjuman-e-Falah-o-Behbood-o-Insaniyat, Hafizabad.  
☎: 0547-541121

### LAHORE

25. **Akram Medical Complex,**  
2-B, Main Gulberg,  
Lahore.  
☎: 0300-4296050
26. **Bahria Town Medical Centre,**  
Taqbeer Block  
Sector "B", Bahria Town,  
Lahore.  
☎: 042-35340136-7
27. **Doctors Hospital & Medical Centre,**  
Block-G-1,  
Lahore.  
☎: 042-35302701
28. **Fatima Memorial Hospital,**  
Department of Dialysis, Shadman Road,  
Lahore.  
☎: 042-37850681-83 & UAN 042-111-555-600
29. **Government Kot Khawaja Saeed Teaching Hospital,**  
Department of Nephrology,  
Behind Shershah Road Scheme No.2,  
Lahore.  
☎: 042-36842313-4, 042-36860565



## PARTICIPATING CENTRES

---

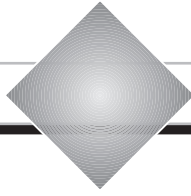
- 30. Government Muhammad Nawaz Sharif Hospital,**  
Yakki Gate,  
Lahore.  
☎: 042- 37638205 - 37630759 - 37634608
- 31. Government Mian Munshi Hospital,**  
Bund Road.  
Near Bobby Plaza,  
Lahore.  
☎: 042- 27147265
- 32. Government Saeed Mitha Hospital,**  
Office No.72, Mezzanine Floor,  
Land Mark Plaza,  
Lahore.  
☎: 042- 35714381 - 35775493
- 33. Lahore General Hospital,**  
Ferozepur Road,  
Lahore.  
☎: 042-99264092-7
- 34. Mayo Hospital,**  
1st Floor, Department of Nephrology,  
Lahore.  
☎: 042-99211129
- 35. Punjab Medical Centre,**  
Jail Road,  
Lahore.  
☎: 042-35753107-08



## PARTICIPATING CENTRES

---

- 36. Qasim Dialysis Centre,**  
Adil Hospital,  
Main Boulevard, DHA,  
Lahore.  
☎: 0300-8073402
- 37. Services Hospital,**  
Jail Road,  
Lahore.  
☎: 042-99203402 - 13 & 99204110
- 38. Sharif Medical City,**  
Jatiumra Road, Raiwand,  
Lahore.  
☎: 042-37860101-4
- 39. Sir Ganga Ram Hospital,**  
Fatima Jinnah Medical College,  
Queens Road,  
Lahore.  
☎: 042-99200572-81
- 40. T.G. Dialysis Centre,**  
National Medical Centre,  
37, Civic Centre, Block-M, Model Town,  
Lahore.  
☎: 042-35168441
- 41. Zohaib Renal Dialysis & Medical Centre,**  
2-Aibak Road,  
New Garden Town,  
Lahore.  
☎: 0333-4333641



## PARTICIPATING CENTRES

### MIANWALI

42. **D.H.Q. Hospital, (To be Check / Confirm from tel #)**  
Dialysis Centre, Department of Urology,  
Watta Khel Road, Gulberg Town, Mianwali.  
☎: 0459-920126

### MULTAN

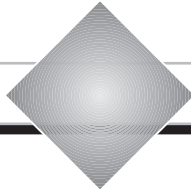
43. **Razia Saeed Hospital,**  
17-E, Officers Colony, Near Eidgah Chowk,  
Multan.  
☎: 061-6221260-1
44. **Social Security Hospital**  
Khanewal Road,  
Multan.  
☎: 061-4232106

### NAROWAL

45. **DHQ Hospital,**  
Department of Nephrology,  
Narowal.  
☎: 0333-8664954

### PAK PATTAN SHARIF

46. **Asim Wahid Cardiac & Dialysis Centre,**  
Near D.H.Q. Hospital,  
Pak Pattan Sharif.  
☎: 0457-371010



## PARTICIPATING CENTRES

### RAJANPUR

47. **D.H.Q. Hospital,**  
Rajanpur.  
☎: 0604-688846, 0334 6677600

### RAWALPINDI

48. **Pakistan Kidney Patients Association (PKPA),**  
CB-345/1, Teli Mohra Road,  
Kamalabad,  
Rawalpindi.  
☎: 051-5683036-37

### SARGODHA

49. **Ibn-e-Sina Hospital,**  
Kanchi Mor, Sargodha.  
☎: 0483-220542, 0483-214422
50. **Rao Abdul Mannan Dialysis Centre,**  
DHQ Hospital,  
Sargodha.  
☎: 0483-725881
51. **Shifa Hospital,**  
Block-16,  
Khushab Road,  
Sargodha.  
☎: 0483-767715-16



## PARTICIPATING CENTRES

### SHEIKHUPURA

52. **Dr. Zarees Dialysis Centre,**  
DHQ Hospital,  
Sheikhupura.  
☎: 056-9200231

### SIALKOT

53. **Allama Iqbal Memorial Hospital,**  
Commissioner Road,  
Sialkot.  
☎: 0333-8733558, 052-9250062
54. **DHQ Hospital,**  
Commissioner Road,  
Sialkot.  
☎: 0331-6121881
55. **Islam General Hospital,**  
Commissioner Road,  
Sialkot.  
☎: 052-4604947-9. 0300-7125305
56. **Sialkot Medical Complex,**  
Commissioner Road,  
Sialkot.  
☎: 052-4601000 & 4602000



## PARTICIPATING CENTRES

### SINDH

#### DAHARKI

57. **Engro Kidney Dialysis Centre,**  
Rural Health Centre,  
Daharki.  
☎: 0723-643018, 681158

#### GAMBAT

58. **Gambat Institute of Medical Sciences,**  
Gambat.  
☎: 0243-6401601

#### GHOTKI

59. **Taluqa Hospital,**  
Ghotki.  
☎: 0724-682221

#### HYDERABAD

60. **Ali Bhai Visaram Charitable Kidney Centre,**  
2nd Floor, Al-Quresh Charitable Hospital,  
Hirababad,  
Hyderabad.  
☎: 022-2632647
61. **Hafeez Memorial Hemodialysis Centre,**  
Opposite Old Water Filter Plant,  
Jamshoro Road, Hyderabad.  
☎: 022-2900956, 2618393, 3025066





## PARTICIPATING CENTRES

---

- 62. K.K. Healthcare & Kidney Centre,**  
Bungalow No.15, Bock-B, Near Sami Palace,  
Unit # 12, Latifabad,  
Hyderabad.  
☎: 022-3868655
- 63. Liaquat University Hospital,**  
Liberty Market,  
Hyderabad.  
☎: 022-9210202
- 64. M.K. Hospital,**  
Ground Floor,  
Shaias Vista, Near Citizen Plaza,  
Opp. Agha Khan Hospital,  
Hyderabad.  
☎: 022-2100771
- 65. Majee Hemodialysis Centre,**  
Majee Hospital, Autobhan Road,  
Latifabad No.8, Hyderabad.  
☎: 022-3815500-3
- 66. Memon Charitable Hospital,**  
Domanwa Road,  
Hyderabad.  
☎: 022-2631289 - 2631206-7
- 67. Noor Foundation Dialysis Centre,**  
Bhittai Hospital,  
Unit No.5, Latifabad,  
Hyderabad.  
☎: 022-9260294



## PARTICIPATING CENTRES

### KARACHI

68. **Abbasi Shaheed Hospital,**  
Department of Nephrology,  
Nazimabad No. 5, Karachi.  
☎: 021-99260400-9
69. **Al-Hamra Medical Centre,**  
Mian Mohammad Rafi Road,  
Off. Tipu Sultan Road,  
Karachi.  
☎: 021-34383493 & 34383493
70. **Al-Mustafa Medical Centre,**  
ST-1, Block-13-C,  
Gulshan-e-Iqbal, Karachi.  
☎: 021-34820101-6
71. **Alamgir Welfare Trust International,**  
Alamgir Masjid , Alamgir Road,  
Bahadurabad, Karachi.  
☎: 021-111-153-153
72. **Ankalsaria Nursing Home,**  
Garden Road, Near Makki Masjid, Karachi.  
☎: 021-32720371, 021-32720385
73. **Ashfaq Memorial Hospital,**  
SB-9, Block-13-C,  
Gulshan-e-Iqbal,  
Opp. Urdu University,  
Karachi.  
☎: 021-34822261-65



## PARTICIPATING CENTRES

---

- 74. B.H.Y. Hospital,**  
Jamiat Punjabi Sodagaran,  
Off. Chaudhary Kaliq-uz-zamaan Road,  
Dehli Colony, Karachi.  
☎: 021-35377753 & 35836579
- 75. Baqai University Hospital,**  
3/12-111-B, Nazimabad No.3,  
Karachi.  
☎: 021-36618381 - 36618082 - 36672936-8
- 76. Darul Sehat Hospital,**  
ST #19 Block -15,  
Gulistan-e-Jauhar, Karachi.  
☎: 021-34610271-5
- 77. Darul Shifa General Hospital,**  
C-4/1, Survey No.675,  
Jaffar Tayyara Society,  
Malir,  
Karachi.  
☎: 021-34508390
- 78. Dehli Medical & Dialysis Centre,**  
Dehli House,  
Nagan Chowrangi,  
Karachi.  
☎: 021-36953210-2
- 79. Faran Club International,**  
1/A, Block-17, Gulshan-e-Iqbal,  
Near National Stadium,  
Karachi-75300  
☎: 021-34961165 - 34990318 - 34971753



## PARTICIPATING CENTRES

---

- 80. Farooq-e-Azam Dialysis Centre,**  
Block-K, North Nazimabad,  
Karachi.  
☎: 021-36674558
- 81. Fatima Kidney Care & Dialysis Hospital,**  
Plot No.ST.7, Block-C, Al-Ghazi Villas,  
Surjani Town, North Karachi, Karachi.  
☎: 021-36673782, 36673492
- 82. Hamdard University Hospital,**  
Taj Medical Complex,  
M. A. Jinnah Road, Karachi.  
☎: 021-32782768-72
- 83. Imam Clinic,**  
ST.5, Block-I, North Nazimabad, Karachi.  
☎: 021-36625111 - 36626111
- 84. Jinnah Post Graduate Medical Centre (JPMC),**  
Rafiquee Shaheed Road, Karachi.  
☎: 021-99201300 -8
- 85. Karachi Adventist Hospital,**  
91, Depot Lines,  
M. A. Jinnah Road, Karachi.  
☎: 021-32258021
- 86. Karachi National Hospital,**  
239, Amil Colony,  
M. A. Jinnah Road, Karachi.  
☎: 021-32259987



## PARTICIPATING CENTRES

---

- 87. Kutiya Memon Hospital,**  
Agha Khan Road,  
Kharadar, Karachi-74000  
☎: 021-32315376-77 - 323138335-37
- 88. Lyari General Hospital,**  
Department of Nephrology,  
Lyari, Karachi-74000  
☎: 021-32529775 - 32546564
- 89. Mamji Hospital,**  
C-19, Block-17,  
B. Area, (Near Water Pump), Karachi.  
☎: 021-36804777
- 90. Medical General Hospital,**  
11-A, U.P. Morr,  
North Karachi, Karachi.
- 91. National Institute of Child Health (NICH),**  
Rafiquee Shaheed Road, Karachi.  
☎: 021-99201261-3
- 92. National Medical Centre,**  
A-5/A National Highway,  
Phase I, D.H.A., Karachi.  
☎: 021-35380000-3, 35380270
- 93. Nazeer Hussain Memorial Hospital,**  
ST.7, Block-14, F.B. Area, Karachi.  
☎: 021-36377040, 36322121 & 36374883
- 94. Orthopaedic & Medical Institute (OMI Hospital),**  
89/1, Depot Lines, Karachi.  
☎: 021-32258075-8

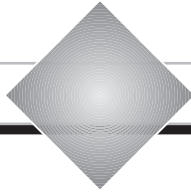


## PARTICIPATING CENTRES

95. **Patel Foundation Hospital,**  
Department of Nephrology, St.18 Block -4,  
Gulshan-e-Iqbal, Karachi.  
☎: 021-34968660-1 & 111-174-174
96. **Plastic Surgery General Hospital,**  
4th Floor, Dialysis Unit, SNPA 16/B,  
Block-3, KCHSU, Near Hill Park,  
Shaheed-e-Millat Road, Karachi.  
☎: 021-34526665 & 34520333-444
97. **S.T. Dialysis Centre,**  
SPNA - 27, Block-A, Adamjee Nagar,  
Tipu Sultan Road, Karachi.  
☎: 021-34531551-2
98. **Sindh Government General Hospital,**  
Korangi No.5, Karachi.
99. **Tabba Kidney Institute,**  
CS 52/7, F.B. Area, Karachi.  
☎: 021-36313267
100. **Ziauddin Medical University Hospital,**  
ST 4-B, Block-6, Shahrah-e-Ghalib,  
Clifton, Karachi.  
☎: 021-35862937-9

### MIRPURKHAS

101. **Anjuman Behbood-o-Insaniat,**  
Free Haemodialysis Centre, Civil Hospital,  
Mirpurkhas.  
☎: 0233-9290330, 9290279



## PARTICIPATING CENTRES

### NAUSHERO FEROZE

- 102. Civil Hospital,**  
Department of Nephrology,  
Noshero Feroze.  
☎: 0333-2567414

### SHIKARPUR

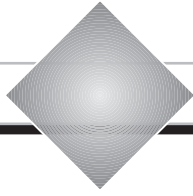
- 103. H.M.B. Hospital,**  
Hathi Gate,  
Shikarpur.  
☎: 0726-515199 - 520052

### SUKKUR

- 104. Faran Medical Centre,**  
Behind G.P.O. Near Apwa Complex,  
Mission Road,  
Sukkur.  
☎: 071-5626830 - 5627697
- 105 Hira Medical Centre,**  
Gul Dialysis Centre,  
Barrage Road,  
Sukkur.  
☎: 071-5613501

### TANDO ALLAH YAR

- 106 Bilquis Mushad Hospital,**  
Raashidabad Main Road,  
Tando Allah Yar.  
☎: 022-2732126



## PARTICIPATING CENTRES

### TANDO MUHAMMAD KHAN

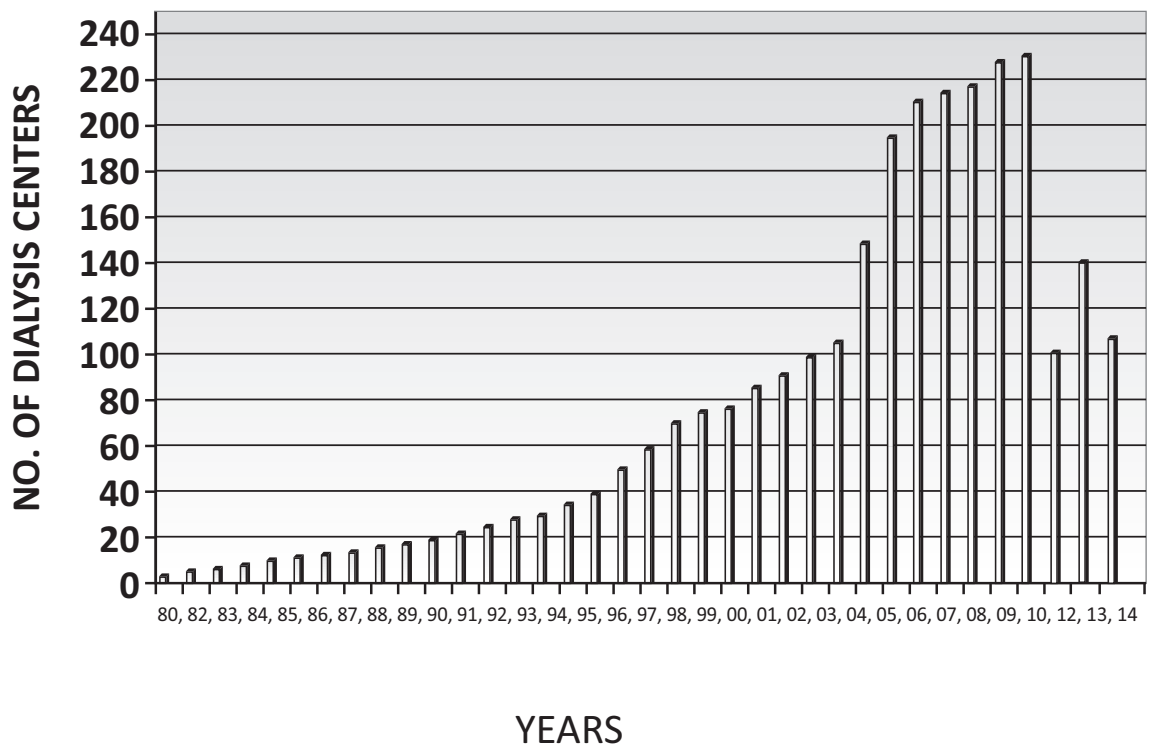
- 107 Memon Charitable Hospital,**  
Opp. Darul Uloom High School,  
Station Road, Tando Mohd Khan.  
☎: 02233-41345



TABLE

01

Data provided by No. of Centers



TABLE

02

## Dialysis facility (Province Wise Break-up)

	Cities	Centres	Machines	Patients
<b>Pakistan</b>	33	107	891	5935
<b>Islamabad</b>	1	3	26	185
<b>Punjab</b>	16	44	415	2593
<b>Sindh</b>	11	51	381	2248
<b>Khyber Pakhtun Khuwa</b>	2	3	34	335
<b>Balochistan</b>	1	4	22	486
<b>Azad Kashmir</b>	1	1	11	75
<b>Gilgit Biltistan</b>	1	1	2	13

• Data was shared by 107 centers.

TABLE

03

## Dialysis Centers (Punjab)

Cities	Centres	Machines	Patients
Lahore	17	196	968
Rawalpindi	1	26	103
Multan	2	9	26
Faisalabad	3	42	447
Sargodha	3	17	216
Sialkot	4	31	159
Gujrat	2	7	29
Gujranwala	4	18	54
* Rest of Punjab	8	69	591
<b>Total</b>	<b>44</b>	<b>415</b>	<b>2593</b>

Pak Patton Sharif - 01, Hafizabad - 01, Attock - 01, Mianwali - 01,  
Rajanpur - 01, Bhakkar - 01.

**TABLE****04****Dialysis Centers (Sindh)**

<b>Cities</b>	<b>Centres</b>	<b>Machines</b>	<b>Patients</b>
<b>Karachi</b>	33	262	1412
<b>Hyderabad</b>	8	61	318
<b>Sukkur</b>	2	18	128
<b>Rest of Sindh</b>	8	40	390
<b>Total</b>	51	381	2248

Daharki - 01, Shikarpur - 01, Tando Muhammad Khan - 01, Ghambat - 01, Ghotki - 01, Mirpurkhas - 01, Tando Allahyar - 01, Nausheroferoze - 01.

**TABLE****05****Dialysis Centers (Khyber Pakhtoon Khuwa)**

<b>Cities</b>	<b>Centres</b>	<b>Machines</b>	<b>Patients</b>
<b>Peshawar</b>	2	26	250
<b>Rest of KPK</b>	1	8	85
<b>Total</b>	3	34	335

Mardan - 01

**TABLE****06****Dialysis Centers within Hospital**

<b>Pakistan</b>	100/107	93.46%
<b>Islamabad</b>	3/3	100%
<b>Punjab</b>	39/44	88.63%
<b>Sindh</b>	49/51	96.07%
<b>Khyber Pakhtoon Khuwa</b>	3/3	100%
<b>Balochistan</b>	4/4	100%
<b>Azad Kashmir</b>	1/1	100%
<b>Gilgit Biltistan</b>	1/1	100%

**8 Dialysis units are not in the hospitals.**

TABLE

07

Funding of Dialysis Centers

	Govt.	Semi Govt.	Private	Community supported	Total
<b>Pakistan</b>	36	3	47	21	107
<b>Islamabad</b>	3	-	-	-	3
<b>Punjab</b>	14	2	23	5	44
<b>Sindh</b>	13	1	21	16	51
<b>Khyber Pakhtun Khuwa</b>	2	-	1	-	3
<b>Balochistan</b>	2	-	2		4
<b>Azad Kashmir</b>	1	-	-	-	1
<b>Gilgit Biltistan</b>	1	-	-	-	1

**TABLE****08****Use of Treated Water (Reverse Osmosis Unit)**

<b>Pakistan</b>	105/107	98.13%
<b>Islamabad</b>	3/3	100%
<b>Punjab</b>	43/44	97.72%
<b>Sindh</b>	50/51	98.03%
<b>Khyber Pakhtoon Khuwa</b>	3/3	100%
<b>Balochistan</b>	4/4	100%
<b>Azad Kashmir</b>	1/1	100%
<b>Gilgit Biltistan</b>	1/1	100%



**TABLE****09****Re-use of Dialyzer**

<b>Pakistan</b>	76/107	71.03%
<b>Islamabad</b>	1/3	33.33%
<b>Punjab</b>	28/44	63.64%
<b>Sindh</b>	45/51	96.08%
<b>Khyber Pakhtoon Khuwa</b>	0/3	-
<b>Balochistan</b>	1/4	25%
<b>Azad Kashmir</b>	1/1	100%
<b>Gilgit Biltistan</b>	0/1	-

TABLE

10

## Dialysis Bath

	Acetate only	Bicarbonate Only	Both	Availability of Bicarbonate Dialysis
<b>Pakistan</b>	9 8.74%	91 88.35%	3 2.91%	103/107 96.26%
<b>Islamabad</b>	-	3 2.14%	-	3/3 100%
<b>Punjab</b>	4 9.30%	37 86.05%	2 4.65%	43/44 95.45%
<b>Sindh</b>	3 6.25%	44 91.67%	1 2.08%	48/51 80.39%
<b>Khyber Pakhtun Khuwa</b>	1 33.33%	2 66.67%	-	3/3 100%
<b>Balochistan</b>	1 25%	3 75%	-	4/4 100%
<b>Azad Kashmir</b>	-	1 100%	-	1/1 100%
<b>Gilgit Biltistan</b>	-	1 100%	-	1/1 100%

**TABLE****Dialysis Facility for HBSAg Positive Patients**

<b>Pakistan</b>	37/105	35.23%
<b>Islamabad</b>	2/3	66.66%
<b>Punjab</b>	22/44	50%
<b>Sindh</b>	11/51	21.57%
<b>Khyber Pakhtoon Khuwa</b>	1/3	33.33%
<b>Balochistan</b>	1/4	25%
<b>Azad Kashmir</b>	-	-
<b>Gilgit Biltistan</b>	-	-

TABLE

12

Dedicated Machines for Anti HCV Positive Patients

<b>Pakistan</b>	112/891	12.57%
<b>Islamabad</b>	2/26	7.69%
<b>Punjab</b>	42/415	10.12%
<b>Sindh</b>	44/381	11.54%
<b>Khyber Pakhtoon Khuwa</b>	8/34	23.53%
<b>Balochistan</b>	9/22	40.90%
<b>Azad Kashmir</b>	6/11	54.55%
<b>Gilgit Biltistan</b>	1/2	50%

**TABLE****13****Age of Patients**

Total Number of patients 5935

<b>Years</b>	<b>Patients on Dialysis</b>	<b>%</b>
<b>15 or less</b>	69	1.16%
<b>16 - 30</b>	524	8.83%
<b>31 - 50</b>	1796	30.26%
<b>51 - 70</b>	3241	54.61%
<b>Above 70</b>	305	5.13%

TABLE

14

Age of Patients – Province wise Distribution

Age Groups	< 15	16-30	31-50	51-70	>70	Total
<b>Pakistan</b>	87 1.46%	511 8.61%	1918 32.31%	3109 52.39%	310 5.23%	5935
<b>Islamabad</b>	3 1.62%	12 6.49%	66 35.68%	93 50.27%	11 5.94%	185
<b>Punjab</b>	46 1.77%	191 7.37%	826 31.85%	1416 54.61%	114 4.40%	2593
<b>Sindh</b>	28 1.25%	228 10.14%	758 33.73%	1148 51.63%	86 3.84%	2248
<b>Khyber Pakhtun Khuwa</b>	2 0.59%	22 6.57%	113 33.73%	183 54.63%	15 4.48%	335
<b>Balochistan</b>	7 1.44%	32 6.58%	134 27.57%	237 48.77%	76 15.64%	486
<b>Azad Kashmir</b>	1 1.33%	24 32%	17 22.67%	26 34.67%	7 9.33%	75
<b>Gilgit Biltistan</b>	-	2 15.38%	4 30.77%	6 46.16%	1 7.69%	13

TABLE

15

Gender of Patients

Gender	Male	Female	Total
Pakistan	3721 62.69%	2214 37.31%	5935
Islamabad	126 68.10%	59 31.90%	185
Punjab	1611 62.13%	982 37.87%	2593
Sindh	1408 62.63%	840 37.37%	2248
Khyber Pakhtoon Khuwa	208 62.08%	127 37.92%	335
Balochistan	314 64.61%	172 35.39%	486
Azad Kashmir	46 61.33%	29 38.67%	75
Gilgit Biltistan	8 61.53%	5 38.47%	13

TABLE

16

Cause of End Stage of Kidney Diseases (ESKD) Center-Wise

Cities	Centres	Diagnosis Available	%
Pakistan	107	87	81.32%
Islamabad	3	3	100%
Punjab	44	35	79.54%
Sindh	51	41	80.39%
Khyber Pakhtoon Khuwa	3	2	66.66%
Balochistan	4	4	100%
Azad Kashmir	1	1	100%
Gilgit Biltistan	1	1	100%



TABLE

17

Cause of End Stage of Kidney Diseases (ESKD) Patient-Wise

	No. of Patients	Diagnosis Available	%
<b>Pakistan</b>	5935	4596	77.44%
<b>Islamabad</b>	185	137	74.05%
<b>Punjab</b>	2593	2025	78.09%
<b>Sindh</b>	2248	1715	76.29%
<b>Khyber Pakhtoon Khuwa</b>	335	226	67.46%
<b>Balochistan</b>	486	418	86%
<b>Azad Kashmir</b>	75	65	86.67%
<b>Gilgit Biltistan</b>	13	10	76.92%

**TABLE****18****Cause of End Stage Kidney Diseases (ESKD) Etiology-Wise**

Data Provided by 107 Centers.  
Patients n = 5935

<b>Diagnosis Available</b>	<b>No. of Patients</b>	<b>%</b>
<b>Diabetic Nephropathy</b>	2125	35.80%
<b>Hypertensive Renal Failure</b>	2361	39.78%
<b>Chronic Glomerulonephritis</b>	795	13.40%
<b>Calculus Disease</b>	191	3.22%
<b>ADPKD</b>	243	4.09%
<b>Other/Unknown</b>	220	3.70%

TABLE

19

Supervision of Dialysis Clinic

	Doctor	Technician	Availability of a Doctor in the Dialysis clinic
<b>Pakistan</b>	279	480	102/107 (95.32%)
<b>Islamabad</b>	6	17	3/3 (100%)
<b>Punjab</b>	129	231	41/44 (93.18%)
<b>Sindh</b>	95	166	49/51 (96.08%)
<b>Khyber Pakhtun Khuwa</b>	27	35	3/3 (100%)
<b>Balochistan</b>	19	22	4/4 (100%)
<b>Azad Kashmir</b>	1	7	1/1 (100%)
<b>Gilgit Biltistan</b>	2	2	1/1 (100%)

TABLE

20

Dietician and Social Worker

	Availability	%
Dietician	19/107	17.76%
Social Worker	23/107	21.49%

TABLE

21

Dialysis frequency

Patients n = 5935

Dialysis Frequency	Patients	%
Irregular	1437	24.21%
Twice/ Week	3516	59.24%
Thrice/week	982	16.55%

**TABLE****22****Type of Dialyzer Membrane**

Patients n = 5935

<b>Dialyzer Membrane</b>	<b>Patients</b>	<b>%</b>
<b>Cellulose Acetate</b>	336	5.66%
<b>Cuprophane</b>	82	1.38%
<b>Polysulfone</b>	5485	92.41%
<b>Others</b>	32	0.54%

**TABLE****23****Center Preference for Dialyzer Membrane**

Dialysis Centers = 107

<b>Dialyzer Membrane</b>	<b>Centers</b>	<b>%</b>
<b>Cellulose Acetate</b>	5	4.67%
<b>Cuprohane</b>	3	2.80%
<b>Polysulfone</b>	97	90.65%
<b>Others</b>	2	1.86%
<b>Any</b>	-	-

TABLE

24

Patients on Iron Therapy

	Patients	Oral Iron	1/V Iron
<b>Pakistan</b>	5935	3128 52.70%	2807 47.30%
<b>Islamabad</b>	185	102 55.14%	83 44.86%
<b>Punjab</b>	2593	1558 60.08%	1035 39.92%
<b>Sindh</b>	2248	934 41.55%	1314 58.45%
<b>Khyber Pakhtun Khuwa</b>	335	186 55.52%	149 44.48%
<b>Balochistan</b>	486	296 60.90%	190 39.10%
<b>Azad Kashmir</b>	75	44 58.67%	31 41.33%
<b>Gilgit Biltistan</b>	13	8 61.54%	5 38.46%



TABLE

25

Patients on Erythropoietin

	Patients	Patients on EPO	%
Pakistan	5935	3256	54.86%
Islamabad	185	88	47.57%
Punjab	2593	1526	58.85%
Sindh	2248	1253	55.74%
Khyber Pakhtun Khuwa	335	98	29.25%
Balochistan	486	248	51.03%
Azad Kashmir	75	33	44%
Giltit Biltistan	13	10	76.92%

**TABLE****26****Survival on Dialysis**

Total Number of Patients = 5935  
Data Submitted by 107 Centers

<b>Survival</b>	<b>Patients</b>	<b>%</b>
<b>&lt; 1 year</b>	1452	24.47%
<b>1 – 2 years</b>	2258	38.06%
<b>2 – 4 years</b>	1046	17.62%
<b>4 – 6 years</b>	746	12.58%
<b>6 – 9 years</b>	344	5.77%
<b>10 years &amp; above</b>	89	1.50%

**TABLE****27****One Year Mortality on Dialysis**

Data Submitted by 107 Centers  
Patients n = 5935

	<b>Centers</b>	<b>Patients</b>	<b>Expired</b>	<b>%</b>
<b>Pakistan</b>	107	5935	716	12.06%
<b>Islamabad</b>	3	185	18	9.73%
<b>Punjab</b>	44	2593	270	10.41%
<b>Sindh</b>	51	2248	214	9.52%
<b>Khyber Pakhtun Khuwa</b>	3	335	66	19.70%
<b>Balochistan</b>	4	486	134	27.57%
<b>Azad Kashmir</b>	1	75	11	14.67%
<b>Gilgit Biltistan</b>	1	13	3	23.08%

TABLE

28

## Cause of Death

Patients n = 5935

	Patients Expired	Cause of death			
		%	Cardiac	Infections	Others
<b>Pakistan</b>	674	11.36%	352	228	94
<b>Islamabad</b>	17	0.29%	9	6	2
<b>Punjab</b>	304	5.11%	159	112	33
<b>Sindh</b>	267	4.52%	136	82	49
<b>Khyber Pakhtun Khuwa</b>	40	0.67%	22	13	5
<b>Balochistan</b>	37	0.62%	19	13	5
<b>Azad Kashmir</b>	7	0.12%	5	2	-
<b>Gilgit Biltistan</b>	2	0.03%	2	-	-

TABLE

29

Associated diseases in Dialysis patients

	No. of Patients	Liver Diseases	Pul. TB	Blindness	Arthritis	CHF	P.U.D
<b>Pakistan</b>	5935	1465 24.68%	925 15.59%	819 13.80%	2058 34.68%	598 10.08%	70 1.18%
<b>Islamabad</b>	185	44 23.78%	36 19.46%	26 14.05%	69 37.30%	10 5.41%	-
<b>Punjab</b>	2593	723 27.88%	258 9.95%	360 13.88%	873 33.67%	341 13.15%	38 1.47%
<b>Sindh</b>	2248	474 21.09%	461 20.51%	316 14.06%	757 33.67%	208 9.25%	32 1.42%
<b>Khyber Pakhtun Khuwa</b>	335	64 19.10%	76 22.69%	62 18.51%	94 28.06%	39 11.64%	-
<b>Balochistan</b>	486	133 27.36%	86 17.70%	48 9.88%	219 45.06%	-	-
<b>Azad Kashmir</b>	75	22 29.33%	8 10.67%	7 9.33%	38 50.67%	-	-
<b>Gilgit Biltistan</b>	13	5 38.46%	-	-	8 61.54%	-	-