

Organ, stem cell and blood donation in Pakistani Muslims

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British demographics – 2011 census



- 2011 Population 64 million
- White **87.2%**
- Other ethnic groups:
 - South Asian **4.9%** (**1.2 million British Pakistanis**)
 - Black **3.0%**
 - Chinese **0.7%**
 - Mixed race **2.0%**
 - Other **2.2%**
- 2051 prediction¹; White 80%, BAME population 20%

¹Office for National Statistics. National Population projections, 2010-based reference volume.

The British Pakistani population – focus on selected cities



Population – 522,452

- 20.4% (106,580) Pakistani

Population – 1,085,400

- 13.5% (144,627) Pakistani

Population – 8,173,000

- 2.7% (223,797) Pakistani

National BAME organ donor/recipient disparity

- The BAME population constitutes:
 - 12.8% of the population
 - 27.0% of the organ waiting list
 - 3.5% of registered organ donors (where ethnicity is known)
 - 4.2% of actual deceased organ donors
- Consent rate for organ donation is lower amongst BAME families (35.9%) versus White families (59.0%)

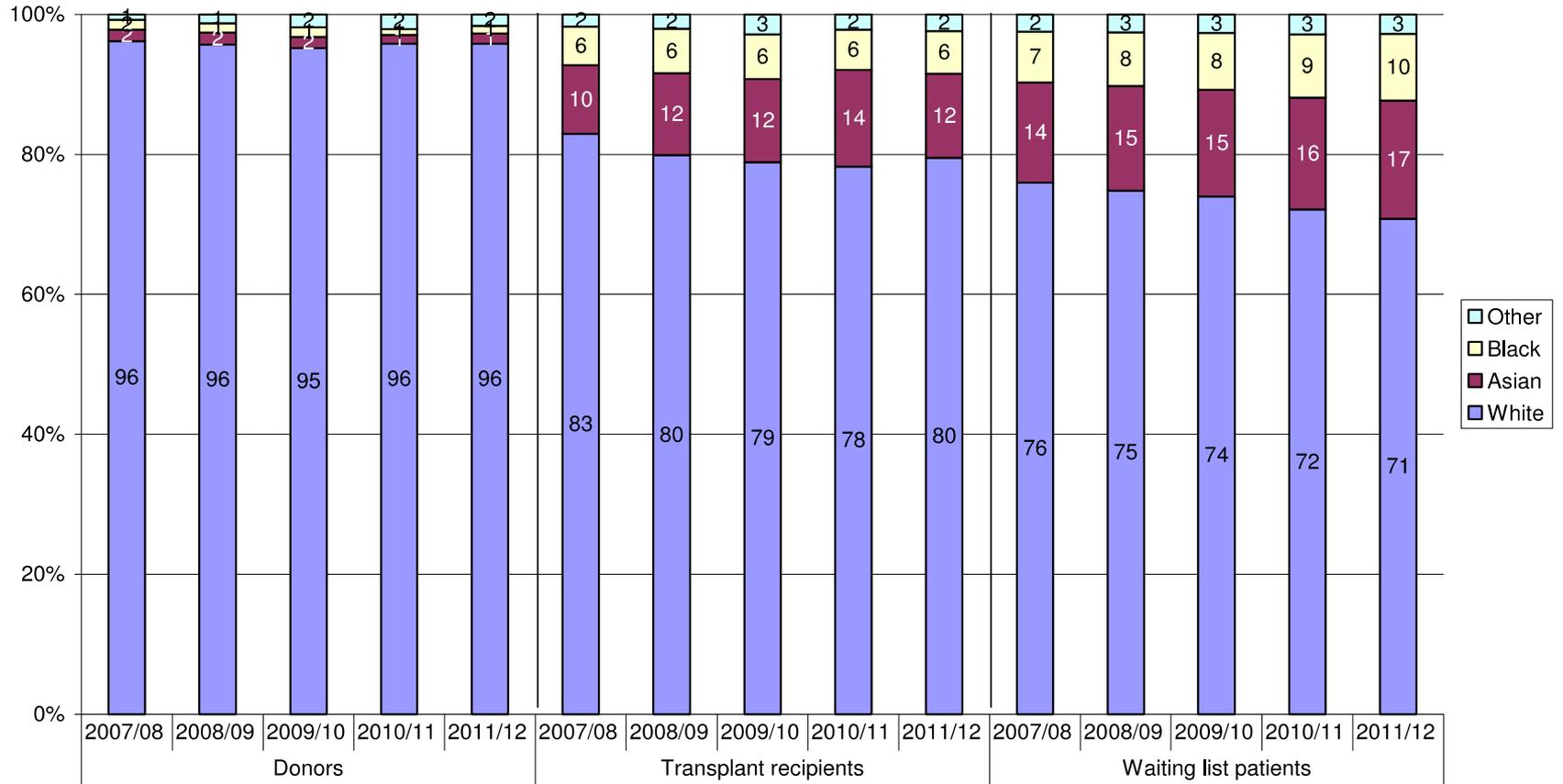
Blood and bone marrow donation

- Only **0.3%** of active blood donors are Pakistani
- Some tissue types are more common in certain ethnic groups of the population:
 - Meaning that a patient is more likely to be matched with a donor from a similar ethnic background
- Anthony Nolan – 447,600 registrants
 - 16,259 Asian (3.6%)
 - Last year only **1%** of new registrants were Pakistani
- British Bone Marrow Registry – 301,150 registrants
 - 14,449 Black, Asian or Minority Ethnic (4.8%)

Change in BAME organ donor registration (UKTR data)

Ethnicity	2008 % of the ODR*	2012 % of the ODR*	2012 % of the population
Mixed race	1.0	1.2	1.7
Indians	0.8	1.1	2.3
Pakistanis	0.1	0.1	1.6
Bangladesnis	<0.1	<0.1	0.6
Black Caribbeans	0.2	0.2	1.0
Africans	0.1	0.2	1.2
Chinese	0.1	0.2	0.7
* where ethnicity reported			

Kidney statistics



	Donors					Transplant recipients					Waiting list patients				
	2007/08	2008/09	2009/10	2010/11	2011/12	2007/08	2008/09	2009/10	2010/11	2011/12	2007/08	2008/09	2009/10	2010/11	2011/12
Other	6	11	17	20	17	25	32	47	36	43	172	182	189	194	183
Black	11	11	13	8	11	81	100	106	96	109	507	552	582	622	629
Asian	13	15	15	12	15	142	184	197	230	215	998	1077	1097	1099	1114
White	759	822	886	917	988	1205	1254	1307	1305	1425	5298	5378	5314	4954	4673

National **Pakistani** donor/recipient disparity

- The **Pakistani** population constitutes:
 - **1.6%** of the population
 - **???** of the organ waiting list
 - **0.1%** of registered organ donors (where ethnicity is known)
 - **???** of actual deceased organ donors
- Consent rate for organ donation is lowest among **Pakistani** families (**<10%**)

Up-to-date data

- 5,603 people waiting for kidney transplant
 - 1,011 are Asian (143 live in West Midlands)
- 70 Asians died waiting for a kidney transplant last year
 - 7 in West Midlands
- 295 Asians received a deceased kidney
 - 43 in West Midlands
- There were only 39 deceased Asian donors nationally
- Asians wait longer for kidney transplant nationally:
 - Adults 47 months (versus White 36 months)
 - Children 18 months (versus White 8 months)
- In the West Midlands only 5.5% of registrants on ODR are Asian

A survey of South Asian attitudes to organ donation in the United Kingdom

Karim A, Jandu S, Sharif A. A survey of South Asian attitudes to organ donation in the United Kingdom.

Asra Karim, Surinder Jandu and Adnan Sharif

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Survey response	Muslim (%)	Hindu (%)	Sikh (%)	p Value
Agree with organ donation	59.3	92.2	88.7	<0.001
Registered organ donor	5.0	40.3	25.8	<0.001
Compatible with their faith	39.8	46.8	79.0	<0.001
Agree with blood donation	87.6	100.0	96.8	0.005
Difference between donating blood and organ	61.4	41.6	59.7	<0.001
Difference between receiving and donating organs	24.8	9.1	0.0	<0.001
Happy to receive organ	68.7	75.3	74.2	0.344
Would not take xenotransplant	59.3	14.3	24.2	<0.001
Only receive from fellow adherent	11.9	0.0	0.0	0.007
Only give to fellow adherent	15.8	0.0	0.0	0.001

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Survey response	Pakistani/ Bangladeshi (%)	Indian (%)	p Value
Agree with organ donation	60.1	80.8	<0.001
Registered organ donor	5.6	24.9	<0.001
Agree with blood donation	88.5	94.3	0.063
Difference between donating blood and organ	61.8	52.3	0.119
Difference between receiving and donating organs	25.0	10.4	<0.001
Happy to receive organ	68.1	74.1	0.184
Would not take xenotransplant	62.2	25.4	<0.001

Theological arguments relating to organ donation in Islam

“Whosoever saves the life of one person, it would be as if they saved the life of all mankind”

FOR

Helping your fellow man in life will benefit you after life

Necessity overrules prohibition



Necessity overrules prohibition not applicable

Sanctity of the human body is paramount

AGAINST

Fatalist attitude (pre-determination)

Brain death criterion not valid biological death

Thou Shalt Not Donate Organs – But It’s Ok To Take?

VIEWS & REVIEWS

PERSONAL VIEW

Prioritising existing donors to receive organs would boost donation from ethnic minorities

There is an incongruity among ethnic minorities between those prepared to donate and those who need to receive organs and stem cells. **Adnan Sharif** suggests consideration of an Israeli approach that gives priority for receipt to those who have already donated or pledged to donate

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Why are British Pakistani's poor donors?

- Religion
- Socio-cultural differences
- Logistical issues
- Family pressures
- Distrust of health services
- Socioeconomic status
- Language barriers
- Poor counseling
- Poor work up and/or referral
- Apathy and disinterest

As a Brummie, a British Pakistani and a Muslim, I cannot think of anything better to do than this.

I hope this project will lead to an increased understanding of the importance of donation within the British Pakistani Muslim community and lead to more lives being saved. What could be more dutiful than that? Come on, join me. The feeling's great.

We all must must embrace organ, stem cell and blood donation and encourage such virtuous behaviour – there cannot be any transplants or transfusions without willing donors. As British Pakistanis we are brought up to treat everyone as one of our own. But what about where it really matters? Imagine saving a life.



Citizen Khan (aka Adil Ray) has pledged his support – have you?