



One Year Post KAS - A Tale of Two Transplant Centers: Small Program

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Conflict of Interest Disclosure

- I have no relevant financial relationships to disclose

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Introduction



Tyler is located in Northeast Texas.

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Introduction



Small town, small program. Nice people, great patients!

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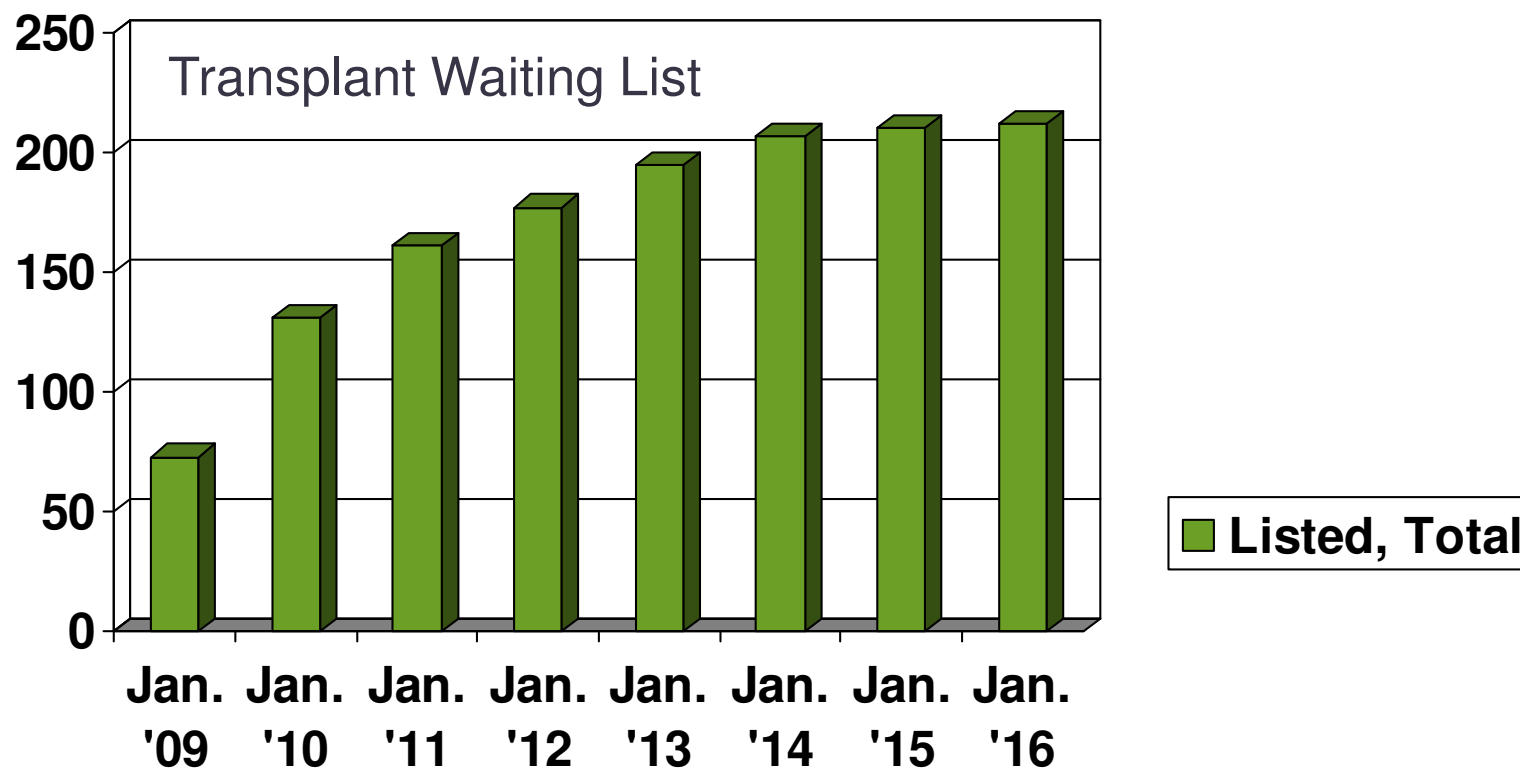
Introduction



Obligatory hospital photo.

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Waiting List



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Variance Elimination

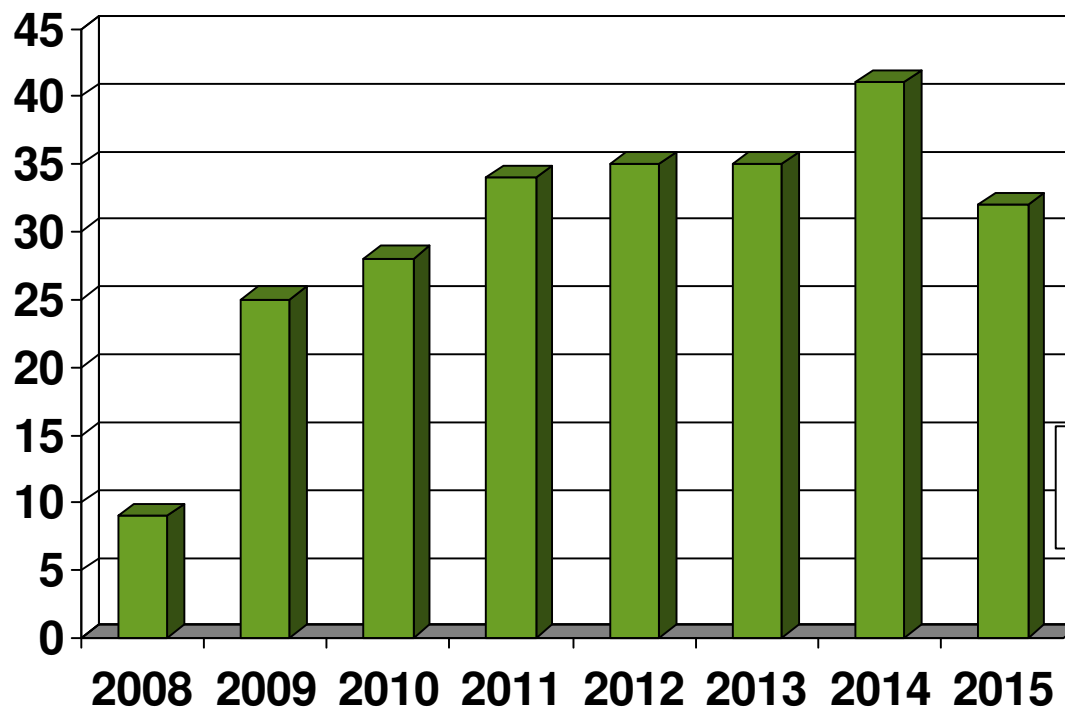
- All variances were eliminated on activation of the new KAS
- Disclaimer: Situation not representative of most programs,
- Loss of our variance (Alternate Listing Unit) decreased our candidates access to deceased donor kidneys.

CEOT 2016: One Year Post KAS – Small Program Shots Across the Bow

- The first two (anecdotal) red flags
- We did 7 deceased donor transplants in November 2014
- We did 0 deceased donor transplants in December 2014
- The last deceased donor transplant recipient we did Pre-KAS had been on dialysis for only 9 months.
- The first deceased donor transplant recipient we did Post-KAS had been on dialysis for 283 months.

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Deceased Donor Transplant Volume

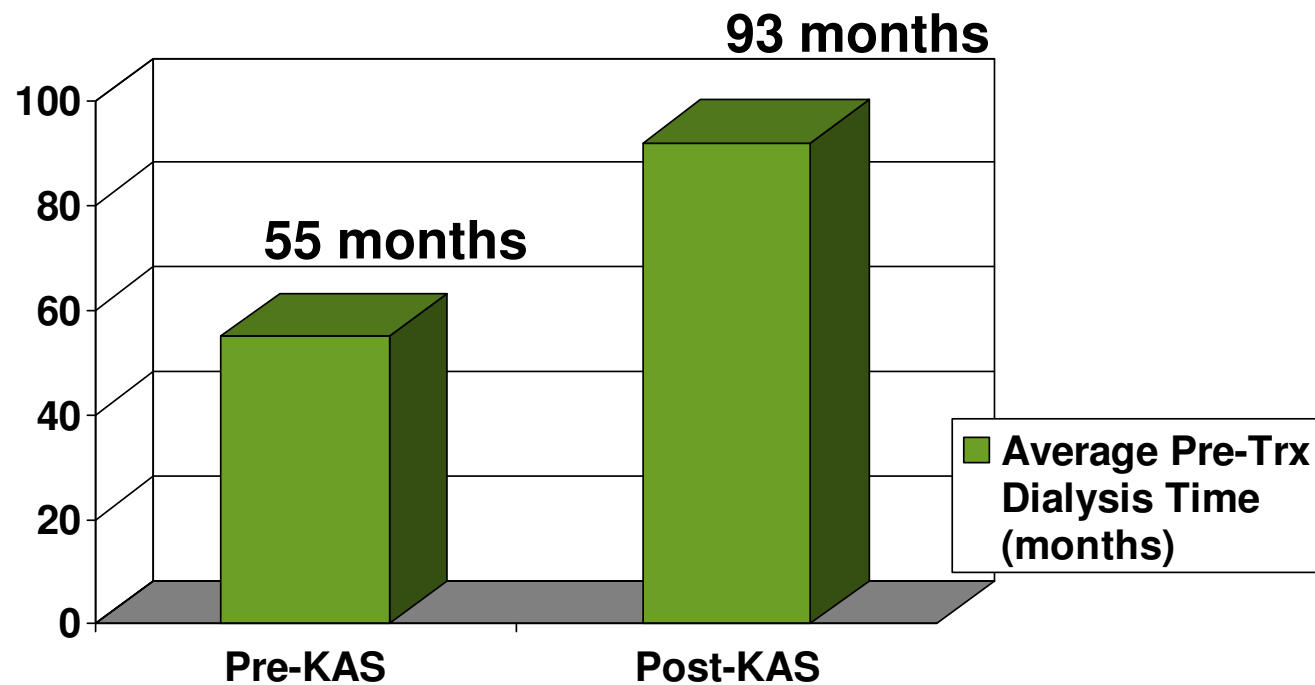


Transplant volume
decreased 29%

■ Deceased Donor
Transplants

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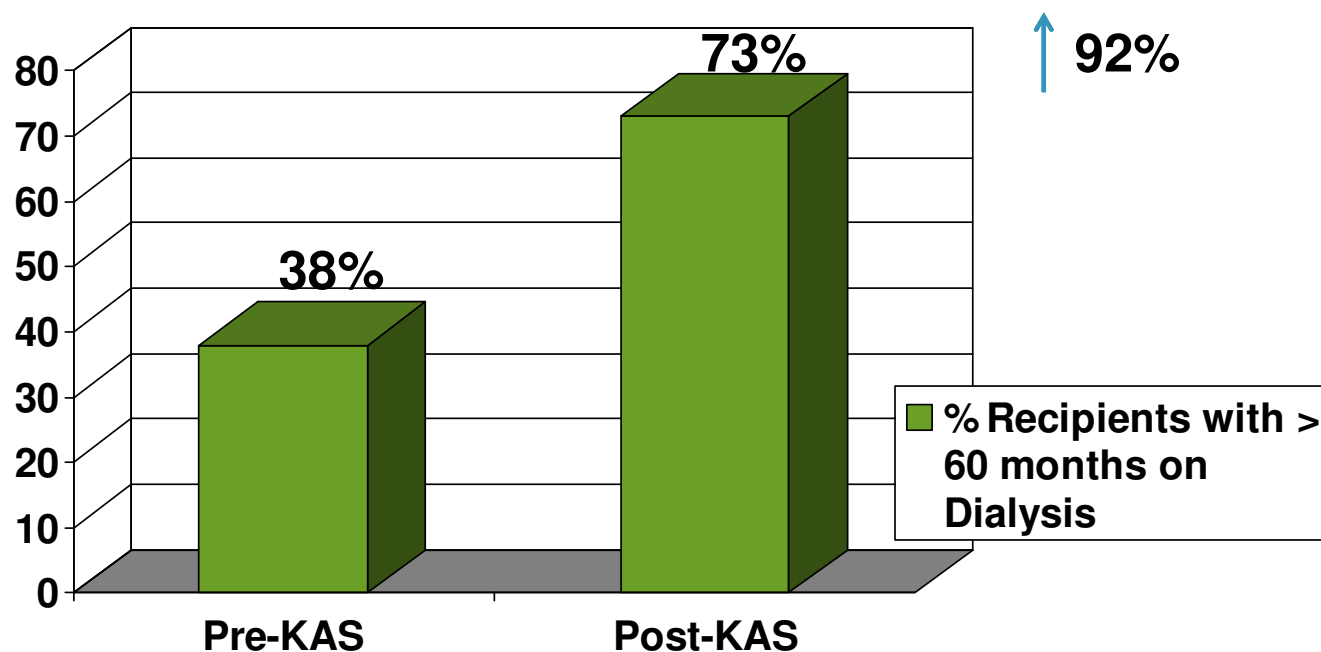
Average Pre-Transplant Dialysis Time (months)



Pre-KAS 12/3/13-12/3/14, Post-KAS 12/4/14-12/4/15, center data.

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Pre-Transplant Dialysis Time >5 years

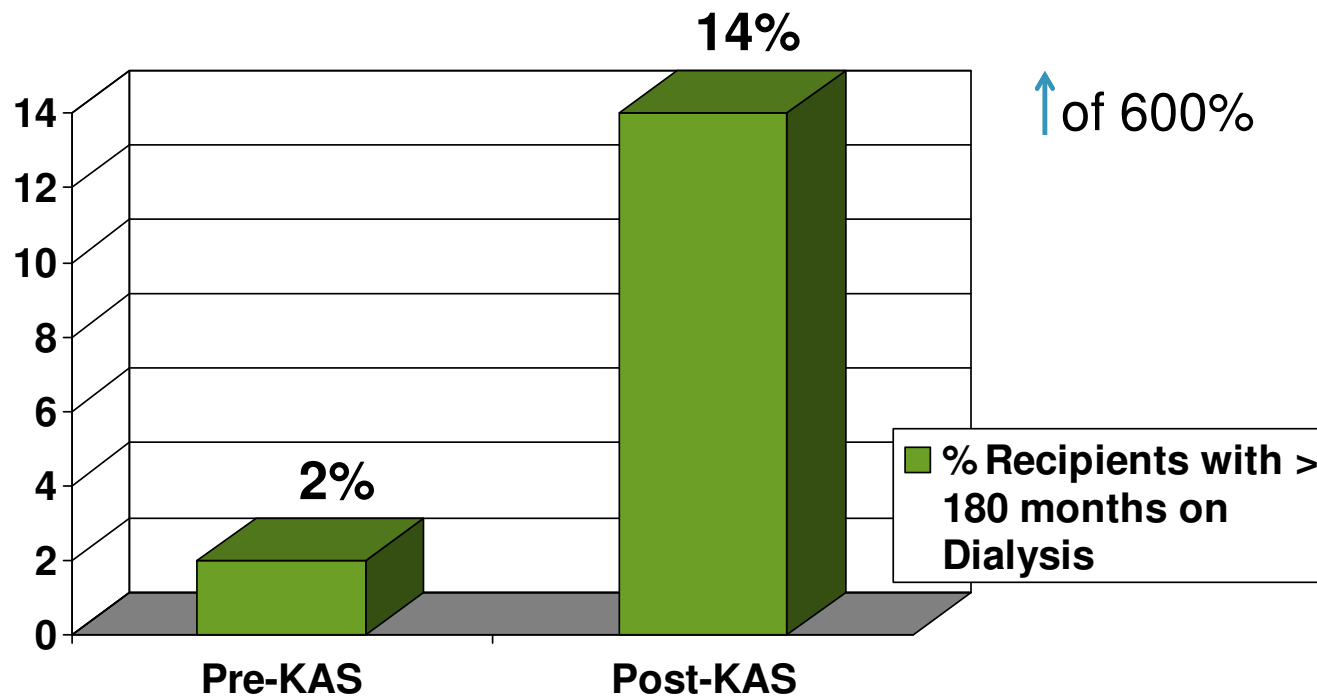


% Recipients with Pre-Transplant Dialysis Time > 60 mo.

Pre-KAS 12/3/13-12/3/14, Post-KAS 12/4/14-12/4/15; center data.

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Pre-Transplant Dialysis Time >15 years

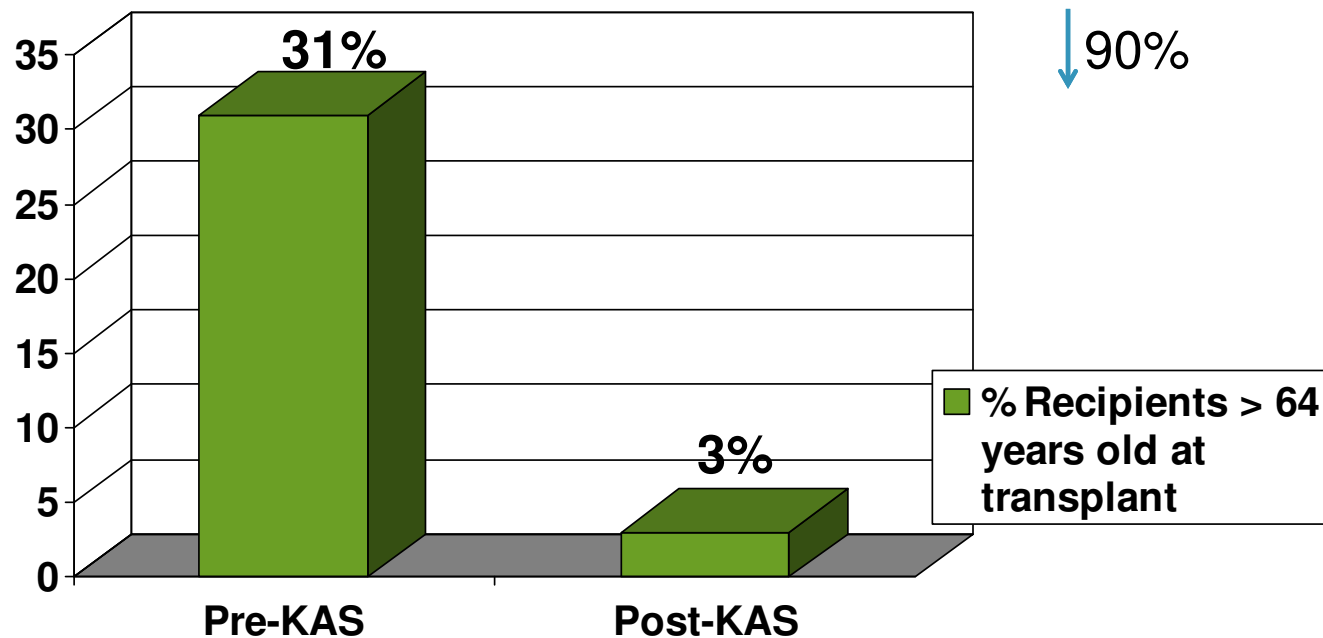


% Recipients with Pre-Transplant Dialysis Time > 180 mo.

Pre-KAS 12/3/13-12/3/14, Post-KAS 12/4/14-12/4/15, center data.

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Transplantation of Older Candidates



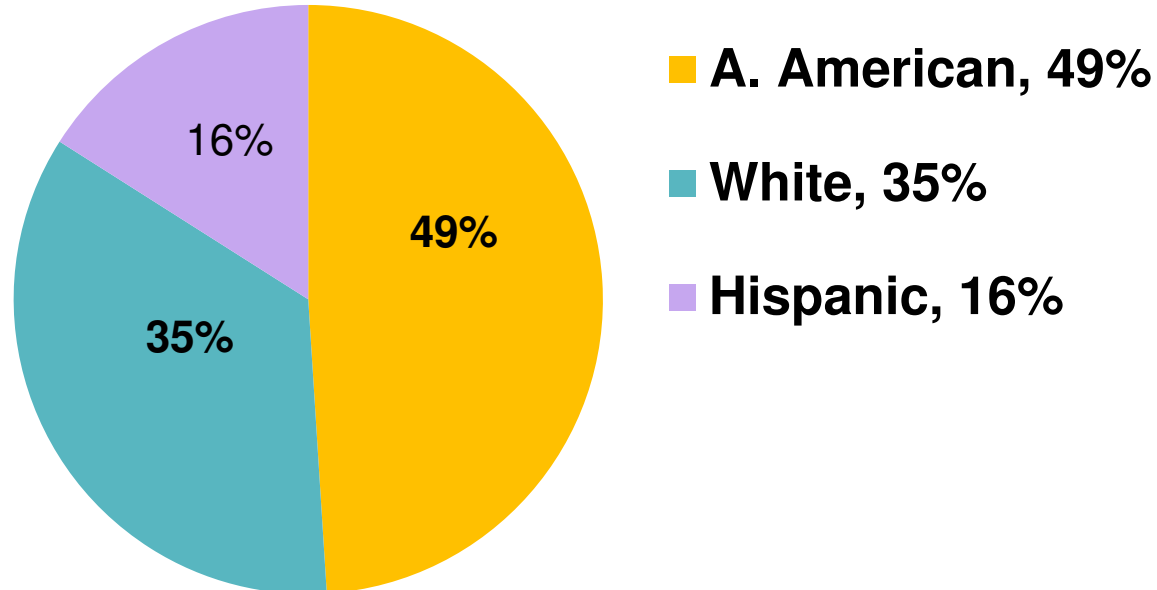
% Recipients >64 Years Old at Time of Transplant

Pre-KAS 12/3/12-12/3/14, Post-KAS 12/4/14-12/4/15; center data.

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Ethnicities of Transplant Recipients: Pre-KAS

Pre-KAS Ethnicity of Deceased Donor Recipients

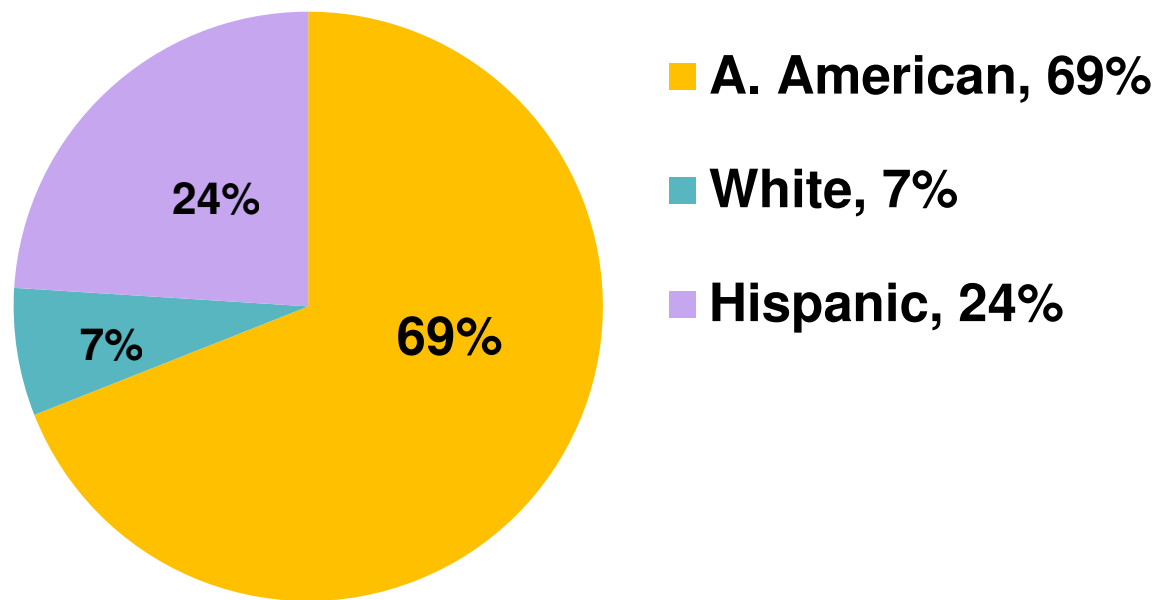


Recipient Ethnicity Pre-KAS (12/3/2012 – 12/3/2014), center data.

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Ethnicities of Transplant Recipients: Post-KAS

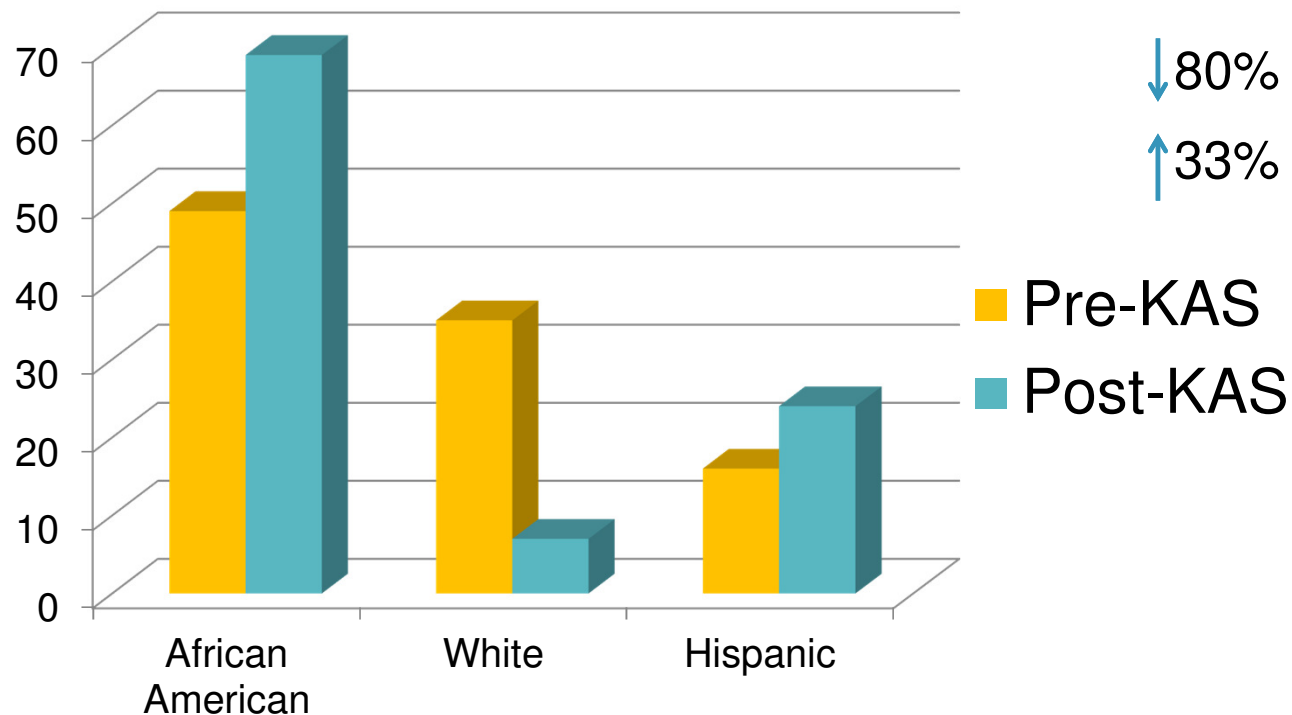
Post-KAS Ethnicity of Deceased Donor Recipients



Recipient Ethnicity Post-KAS (12/4/2014 – 12/4/2015), center data.

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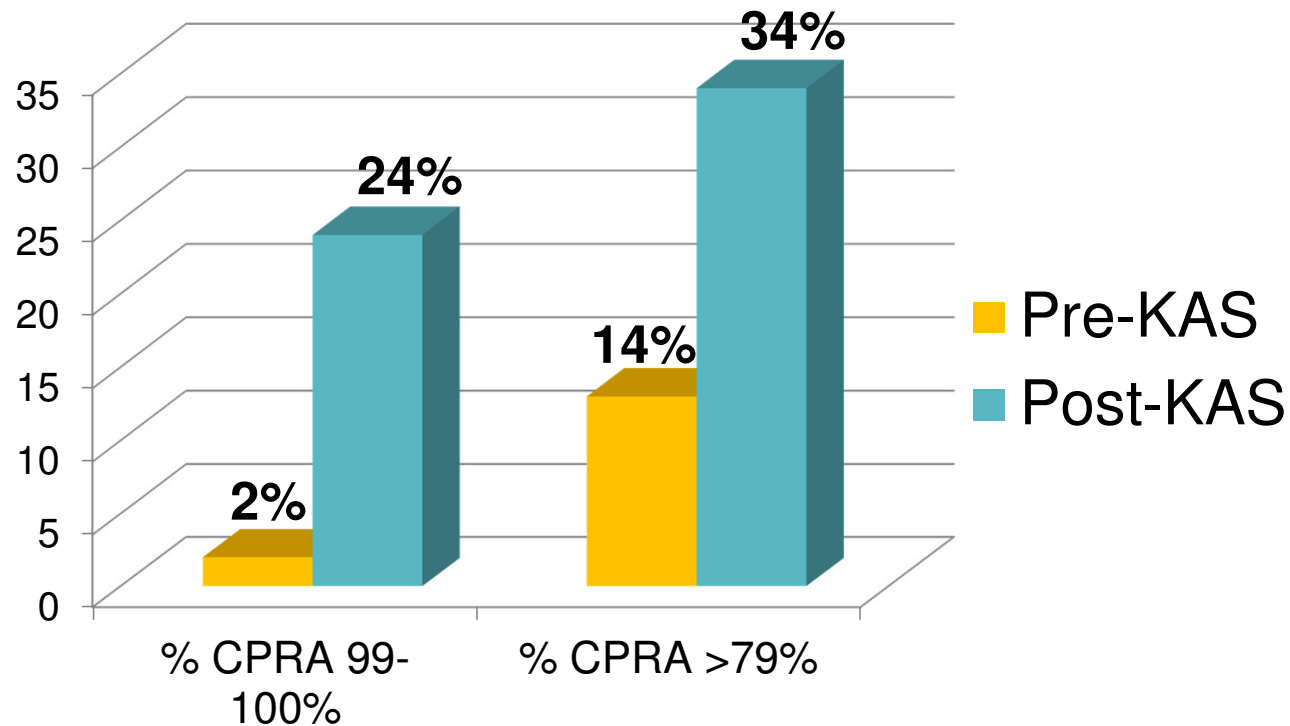
Ethnicities of Transplant Recipients



Recipient Ethnicity as a % of DD Transplants Pre- versus Post-KAS
Pre-KAS 12/3/12-12/3/14, Post-KAS 12/4/14-12/4/15; center data.

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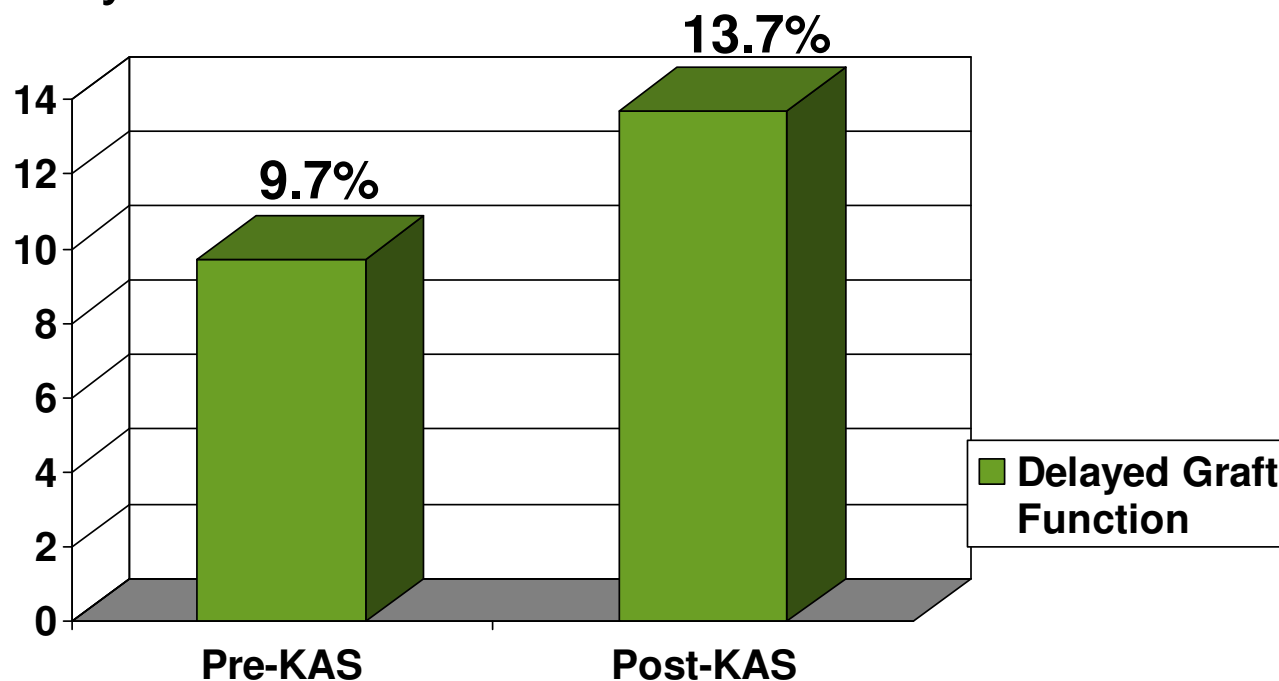
Recipient CPRA Pre- and Post-KAS



(Pre-KAS 12/3/13-12/3/14, Post-KAS 12/4/14-12/4/15), center data.

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Delayed Graft Function Rates

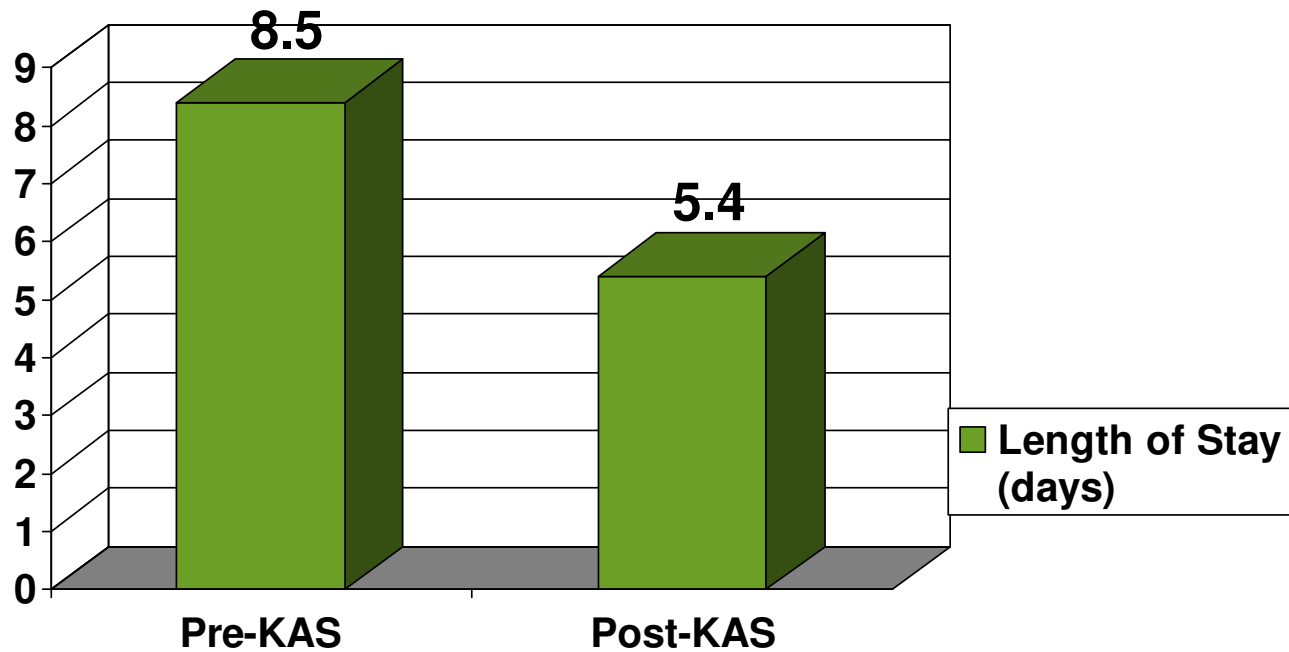


% Recipients Experiencing Delayed Graft Function

Pre-KAS 10/8/08-12/3/14, Post-KAS 12/4/14-12/4/15, center data.

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Length of Stay



Deceased Donor Length of Stay (days).

Pre-KAS 12/3/12-12/3/14, Post-KAS 12/4/14-12/4/15; center data.

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Conclusions

- Loss of our variance likely contributed to a large apparent decrease in access to deceased donor organs for the patients we serve.
- One might surmise that equity was compromised for ESRD patients in the communities we serve because of loss of the variance.
- This was viewed by architects of KAS as an insignificant local sacrifice for the greater good.

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Conclusions

- **Observed changes were consistent with the goals of KAS:**
- Average dialysis time at transplant increased .
 - A direct result of dialysis time counting as waiting time.
- Highly sensitized recipients were transplanted more frequently.
- The ethnic composition of the recipient pool changed dramatically
 - The % of recipients with AA ethnicity increased 41%
 - The % of recipients with W ethnicity fell 80%
- Transplants into candidates >64 years old fell 90%

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Conclusions

- **Outcome changes:**
- Post-transplant length of stay did not increase:
 - Likely because recipient age decreased
- The delayed graft function rate may have risen:
 - Donor issues (CIT) and recipient issues (dialysis time, CPRA) likely primary drivers of observed increase.
- **Outcome changes yet to be evaluated:**
- Graft and patient survival data needed.



Thank You