3 x KHA HDAG Surveys

Nephrologists
Dialysis Nurses
Consumers

Conducted from 30 March to 3 August 2009

DNT Cypress Lakes 2011 (Agar)
What is the KHA HDAG

- Supported and resourced by KHA in ± 2006/7 and initially called the KHA HHD Advisory Group
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• Initially an HHD ‘interest’ group arising from 2 x ANZ Home HD Workshops
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  2. Geelong: 2007 (John Agar)
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- 2009 – added PD to HHD to become ‘Home Dialysis’

DNT Cypress Lakes 2011 (Agar)
Who is the KHA HDAG?

- A/Prof Carmel Hawley (Chair) Princess Alexandra Hospital, Qld
- A/Prof John Agar Geelong Hospital, Vic
- Mrs Melissa Darnley Consumer representative, NSW
- A/Prof Charles George Concord Repatriation General Hospital, NSW
- Mr Wayne Green Kidney Health Australia, Vic
- Mr Bill Handke Carer representative, ACT
- Prof Peter Kerr Monash Medical Centre, VIC
- Mrs Lydia Lauder Kidney Health Australia, Vic
- Dr Marie Ludlow Kidney Health Australia, SA
- A/Prof Tim Mathew Kidney Health Australia, SA
- Ms Jo Anne Moodie Royal Melbourne Hospital, Vic
- Ms Colleen Munro Liverpool Hospital, NSW
- Ms Angela Reddy Kidney Health Australia, ACT
- Mr David Ross Medical Technology Association of Australia, NSW
- Ms Anne Wilson Kidney Health Australia, VIC
- Past Members: Ms Jeni Batt, Southern Health VIC and Ms Joann Spiteri, RMH, VIC

DNT Cypress Lakes 2011 (Agar)
First ... we identified some basic home therapies data
Basic home therapies data

Australia – By dialysis modality (1999-2008)

Prevalent modality at year end

DNT Cypress Lakes 2011 (Agar)
Basic home therapies data

% of all patients (Australia: n = 9182) on Home HD by state

ANZDATA Registry

DNT Cypress Lakes 2011 (Agar)
Basic home therapies data

Dialysis Modality (%) – Australia

Individual Units treating >100 patients ranked by % on either home therapy

DNT Cypress Lakes 2011 (Agar)  ANZDATA Interim report 2009
Unit Dialysis Modality (%)
NSW c/w Vic (31/12/08)
On the back of this data

• KHA HDAG formulated 3 x surveys
  1. HoU and Nephrologists (JA)
  2. Dialysis Nurses (JA)
  3. Consumers (CH)
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- (3) ... after slow ethics approval ... in mid-2010
- (1) and (2) both accepted and ‘in press’ (MJA + RSAJ)
- (3) released 2 weeks ago in report format (KHA)

DNT Cypress Lakes 2011 (Agar)
How Australian Renal Health Professionals View Home Dialysis
Style of questionnaire

<table>
<thead>
<tr>
<th>Profession</th>
<th>Percentage of respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dietitians</td>
<td>15 Strongly Agree, 41 Agree, 22 Neutral, 22 Disagree, 0 Strongly disagree</td>
</tr>
<tr>
<td>Psychology/Psychiatry</td>
<td>7 Strongly Agree, 19 Agree, 44 Neutral, 15 Disagree, 15 Strongly disagree</td>
</tr>
<tr>
<td>Social Workers</td>
<td>19 Strongly Agree, 52 Agree, 15 Disagree, 11 Neutral, 4 Strongly disagree</td>
</tr>
<tr>
<td>Access Surgeons</td>
<td>30 Strongly Agree, 44 Agree, 15 Disagree, 7 Neutral, 4 Strongly disagree</td>
</tr>
<tr>
<td>Other Renal physicians</td>
<td>24 Strongly Agree, 52 Agree, 8 Disagree, 8 Neutral, 8 Strongly disagree</td>
</tr>
</tbody>
</table>

DNT Cypress Lakes 2011 (Agar)
Major Identified Barriers to Home Dialysis

- Structural arrangements in the health system
- Patient factors
- Financial impediments
- Clinical needs
- Equipment considerations
Method

• Between April 1st and April 5th 2009, all Australian nephrologists were asked to complete an online survey of their attitudes to home dialysis therapies

• 76 questions covered:
  – Dialysis unit demography
  – Nephrologist experience and belief
  – Adequacy of facilities for HHD training and support
  – Attitudes to the use of HHD and HPD
  – Issues impeding an increased uptake of HHD and HPD
Respondent characteristics

• 71 of ~250* total Australian Nephrologists responded

* ~Number of Nephrologists in Australia – RACP survey 2007
Respondent characteristics

- 71 of ~250* total Australian Nephrologists responded
  - 27 = Heads of Unit
  - 44 = Nephrologists
  - All states and the majority of units were represented
- Units represented were
  - Metropolitan 82%
  - Regional 14%
  - Rural/Remote 4%
- Renal Units were
  - Public based 90%
  - Private based 10%
## Service Characteristics

<table>
<thead>
<tr>
<th>Feature</th>
<th>Units with</th>
<th># of patients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Onsite in-centre HD services</td>
<td>99%</td>
<td>43 ± 52 (0-400)</td>
</tr>
<tr>
<td>Satellite HD services</td>
<td>93%</td>
<td>60 ± 108 (0-500)</td>
</tr>
<tr>
<td>Home HD Training (on- or off-site)</td>
<td>92%</td>
<td>20 ± 31 (0-123)</td>
</tr>
<tr>
<td>PD Training (on- or off-site)</td>
<td>98%</td>
<td>30 ± 72 (0-400)</td>
</tr>
<tr>
<td>Kidney Transplantation (functioning)</td>
<td>91%</td>
<td>160 ± 276 (0-1200)</td>
</tr>
<tr>
<td>On-site Vascular Access Surgery</td>
<td>92%</td>
<td>-</td>
</tr>
<tr>
<td>On-site PD catheter insertion</td>
<td>90%</td>
<td>-</td>
</tr>
<tr>
<td>On-site general nephrology care</td>
<td>97%</td>
<td>-</td>
</tr>
<tr>
<td>On-site nephrology ambulatory care</td>
<td>84%</td>
<td>-</td>
</tr>
<tr>
<td>Mean on-site renal service bed state</td>
<td>-</td>
<td>15 ± 9 (2-40)</td>
</tr>
</tbody>
</table>

DNT Cypress Lakes 2011 (Agar)
Other data

- Other data obtained (not presented here) included attitudes re the degree of support from...
  - Other renal physicians in the unit
  - Access surgeons
  - Technicians
  - Water advisors
  - Equipment purchase/delivery
  - Allied Health Services (various)
  - Nursing administration
  - Medical administration
  - Area Health services
  - Federal government
  - Industry
NURSES

‘Patients suffer personal disadvantage when they do Home HD’

DNT Cypress Lakes 2011 (Agar)

n=262
NURSES

‘The renal unit suffers financial disadvantage when pts do Home HD’

DNT Cypress Lakes 2011 (Agar)
NURSES

‘Lack of nephrologist expertise in Home HD is a barrier to expanding services’

DNT Cypress Lakes 2011 (Agar)

n=262
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‘Lack of physical infrastructure is a barrier to expanding Home HD’

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‘Patients suffer personal financial disadvantage when they do PD’

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n=262
NURSES

‘The Unit suffers personal disadvantage when patients do PD’

DNT Cypress Lakes 2011 (Agar)
NURSES

‘Lack of expertise by nephrologists is a barrier to expanding PD’

DNT Cypress Lakes 2011 (Agar)

n=262
NURSES

‘Lack of physical infrastructure is a barrier to expansion of PD’

DNT Cypress Lakes 2011 (Agar)

n=262
Summary – nurses views

• Home HD ... most nurses feel that:
  • Patients are financially disadvantaged by HHD
  • Renal units do financially well from HHD
  • Nephrologists know their HHD stuff and are not a barrier
  • But ... the HHD infrastructure supports suck
Summary – nurses views

• **Home HD** ... most nurses feel that:
  - Patients are financially disadvantaged by HHD
  - Renal units do financially well from HHD
  - Nephrologists know their HHD stuff and are not a barrier
  - But ... the HHD infrastructure supports suck

• **Home PD** ... most nurses feel that:
  - Patients don’t financially suffer with PD
  - Renal units are also financially OK with PD
  - Nephrologists aren’t a barrier to PD expansion
  - And ... they are neutral re PD infrastructure as a barrier

DNT Cypress Lakes 2011 (Agar)
PHYSICIANS

‘Patients suffer personal disadvantage when they do Home HD’

DNT Cypress Lakes 2011 (Agar)
The renal unit suffers financial disadvantage when pts do Home HD

DNT Cypress Lakes 2011 (Agar)
PHYSICIANS

‘Lack of physical infrastructure is a barrier to Home HD expansion’

% Respondents

DNT Cypress Lakes 2011 (Agar)
PHYSICIANS

‘Lack of nephrologist expertise is a barrier to Home HD expansion’

89 %
PHYSICIANS

‘Lack of nurse expertise is a barrier to Home HD expansion’

DNT Cypress Lakes 2011 (Agar)
PHYSICIANS

‘Lack of industry support is a barrier to Home HD expansion’

DNT Cypress Lakes 2011 (Agar)
And ... how to make me truly happy
I’m happy

Play me Floyd
Make me happy again
Make me happy again

Answer like this and you did …
PHYSICIANS

‘There is no evidence that HHD offers enough advantage to encourage it’

DNT Cypress Lakes 2011 (Agar)

87 %
PHYSICIANS

‘Long hour and/or more frequent HD confers an outcome advantage to HD patients’

88 %

DNT Cypress Lakes 2011 (Agar)
And ... one more time ...
Go ahead - make my day!
PHYSICIANS

‘The best way to achieve longer and/or more frequent HD is in the home’

93 %

DNT Cypress Lakes 2011 (Agar)
PHYSICIANS

Other identified impediments to a greater HHD uptake in Australia

• **Patient**
  - Uns suited demography
    • Socioeconomic
    • Language
    • Age
    • Body habitus
  - Uns suited location
    • Remote
    • Water Rental
  - Co-morbidity
  - Lack of motivation
  - Inadequate education

DNT Cypress Lakes 2011 (Agar)
PHYSICIANS

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• **System**
  - Poor private sector funding policies
  - Lack of public sector financial incentives
  - Limited patient carer supports
  - Lack of training facilities
  - Lack of availability of simple HHD technologies

DNT Cypress Lakes 2011 (Agar)
What about PD – PHYSICIANS

‘Patients suffer personal financial disadvantage when they do PD’
PHYSICIANS

‘The renal unit suffers financial disadvantage when pts do PD’
PHYSICIANS

“The nephrologist suffers personal disadvantage when patients do PD”
PHYSICIANS

“The lack of physical infrastructure inhibits PD expansion”
PHYSICIANS
“The lack of nephrologist expertise is a barrier to PD expansion”
PHYSICIANS

“PD confers a disadvantage to patient outcome”
Incentives to increase home dialysis in Australia

Conclusions

- Reimbursement to patients for out-of-pocket costs
- Improved access to clinical, technical and psychosocial support
- Increased availability of new home dialysis technology
- More nurses for home training and on-going support
- Include/emphasise home dialysis options in pre-dialysis education
- Create unit policy for preferred use of home training
- Establish more training units closer to patients homes
Welcome to Sydney

The 4th Australasian Home Therapies Workshop

(provisional)

Come along
... and make sure your nurses attend ...

DNT Cypress Lakes 2011 (Agar)