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Patient privacy online, p 783

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Evidence is inconclusive, so patient education and shared decision making are essential, say Dragan Ilic and Sally Green

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Getting it to communities at highest risk of mortality from diarrhoeal disease is the greatest challenge, say U K Griffiths and colleagues

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- 761 The direct and indirect costs of explosive violence**
Recognition and documentation need to translate into policy action and political support, says Caecilie Buhmann

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The future of health spending will be a key battleground, says Chris Ham

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A variety of methods of evaluating complex interventions should be considered, say Hugh MacPherson and colleagues

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768 A/H1N1 flu pandemic; Drug prevention of hypertension

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Doctors must report knife injuries under new guidance
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NHS consultants may win right to work in independent centres
Patients in acute mental health services feel let down
- 771 US survey favours acknowledging medical ghostwriters**
- 772 African leaders join forces to boost the fight against malaria**
UN seeks vaccine donations to help developing nations fight swine flu
HIV vaccine reduces infection rate by a third, randomised trial of 16 400 shows
- 773 European agency approves swine flu vaccines for licensing**
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Doctors explore ethics and research potential of storing blood samples from newborns
- 775 Donors raise £3.2bn for free health care in poorest countries**

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780 Risky business Oliver Ellis

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- 783 Online video sharing and patients' privacy**
Heiman F L Wertheim and colleagues

ANALYSIS

- 784 Prostate cancer screening: the controversy continues**
Two long awaited randomised trials of PSA screening have reported this year. However, as Jennifer Stark and colleagues explain, the results are unlikely to end the controversy over the benefits and harms of testing

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Phil Leonard

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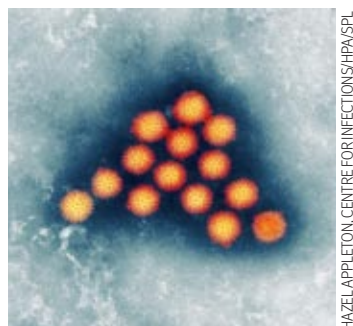
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Sleeping position and otitis media, p 774





Rotavirus particles, p 787

HAZEL APPLETON, CENTRE FOR INFECTION/HPA/SPL



Reducing spread of respiratory viruses, p 792



Prostate specific antigen testing, p 793

TEK IMAGE/SPL



Capsule endoscopy, p 796

RESEARCH

787 **Public health impact and cost effectiveness of mass vaccination with live attenuated human rotavirus vaccine (RIX4414) in India: model based analysis**

Markov modelling suggests that vaccinating babies at 2 and 4 months could use more than 11% of India's annual healthcare budget but would be cost effective at 8023 rupees (about £100, €113, \$165) per life year saved

Johnie Rose, Rachael L Hawthorn, Brook Watts, Mendel E Singer

» Editorial, p 760

792 **pico** FAST TRACK

Physical interventions to interrupt or reduce the spread of respiratory viruses: systematic review

Handwashing, personal hygiene, social distancing, and barrier interventions (masks, respirators, gowns, gloves, and goggles) were effective against transmission of all forms of acute respiratory tract infections all year round

Tom Jefferson, Chris Del Mar, Liz Dooley, Eliana Ferroni, Lubna A Al-Ansary, Ghada A Bawazeer, Mieke L van Driel, Ruth Foxlee, Alessandro Rivetti

793 **pico** Prostate specific antigen for early detection of prostate cancer: longitudinal study

Although testing for prostate specific antigen is good for early diagnosis in individual men, likelihood ratios show that it can't rule in or rule out disease well enough for mass screening

Benny Holmström, Mattias Johansson, Anders Bergh, Ulf-Håkan Stenman, Göran Hallmans, Pär Stattin

» Editorial, p 759 » Analysis, p 784

794 **pico** Economic evaluation of arthritis self management in primary care

Randomisation to six sessions of self management training, in addition to an education booklet and usual care, did not seem to be cost effective

Anita Patel, Marta Buszewicz, Jennifer Beecham, Mark Griffin, Greta Rait, Irwin Nazareth, Angela Atkinson, Julie Barlow, Andy Haines

795 **pico** Filtering Medline for a clinical discipline: diagnostic test assessment framework

Searching the literature for nephrology articles was facilitated by compiling bibliographic filters, and the best here had sensitivity and specificity in excess of 97% for finding relevant articles

Amit X Garg, Arthur V Iansavichus, Nancy L Wilczynski, Monika Kastner, Leslie A Baier, Salimah Z Shariff, Faisal Rehman, Matthew Weir, K Ann McKibbin, R Brian Haynes

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796 SCIENCE, MEDICINE, AND THE FUTURE

Capsule endoscopy

Andrea Moglia, Andrea Pietrabissa, Alfred Cuschieri

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800 QUALITY IMPROVEMENT REPORT

The role of specialists in managing the health of populations with chronic illness: the example of chronic kidney disease

Brian J Lee, Ken Forbes

803 UNCERTAINTIES PAGE

Should statins be prescribed for primary prevention of cardiovascular disease in patients with chronic kidney disease?

Andrew Connor, Charlie Tomson

805 LESSON OF THE WEEK

Clinical management of injured patients with ankylosing spondylitis

Patients with ankylosing spondylitis are prone to low impact fractures. Maintain a low threshold for medical imaging

Steve Fordham, Gavin Lloyd

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LUKE JERRAM

PICTURE OF THE WEEK

A glass sculpture of the swine flu A/H1N1 2009 virus by artist Luke Jerram, on display at the Wellcome Collection until 18 October 2009. Jerram has worked with leading virologist Dr Andrew Davidson from the University of Bristol to produce translucent glass models of the infectious agents responsible for some of the most deadly diseases, including smallpox, HIV, *E coli*, A/H1N1, and SARS. See research, p 792.

THE WEEK IN NUMBERS

6115 Number of people killed by explosive weapons worldwide between April and September 2006 (Editorial, p 761)

70% Proportion of cases of HIV in volunteers given a new vaccine compared with the placebo group (News, p 772)

£12.7bn Estimated total cost of the NHS National Programme for Information Technology (Feature, p 778)

1.0 ng/ml Prostate specific antigen concentration below which prostate cancer can be virtually ruled out (Research, p 793)

26×11 mm Size of the camera "pill" swallowed by patients undergoing capsule endoscopy (Clinical review, p 796)

THE WEEK IN QUOTES

"It is not considered acceptable to make people with cancer wait until crisis point before getting support, and people with dementia should not have to wait either" (News, p 769)

"If you must be harmed for me to benefit, where does this lead public health?" (Observations, p 782)

"Universal RIX4414 vaccination in India would save many thousands of lives annually" (Research, p 787)

"Clinical suspicion of fracture in patients with ankylosing spondylitis requires imaging" (Practice, p 805)

"Medication is a blunt, dumb, and frankly naive approach to the complexities of life" (From the frontline, p 812)

EDITOR'S CHOICE

Patients first



Research, p 792

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Statins are recommended for the secondary prevention of cardiovascular disease in all patients with chronic kidney disease. But the case for statins in primary prevention is much less certain, as Andrew Connor and Charlie Tomson point out, and doctors should come clean with patients about this uncertainty (p 803). The direction of causality between chronic kidney disease and cardiovascular disease remains unknown, many risk scores exclude patients with kidney disease, and cofactors such as malnutrition and inflammation may exacerbate the risk. Until the ongoing Study of Heart and Renal Protection (SHARP) reports, there's too little evidence to extrapolate the known benefits of lipid lowering in the general population to patients with severe chronic kidney disease.

Another pitfall when managing patients with chronic kidney disease is failure to seek specialist help before it's too late. In a quality improvement report nephrologist Brian Lee and analyst Ken Forbes describe how they tackled this challenge (p 800). Using a new computing algorithm they built a concise profile for every patient with chronic kidney disease, which was updated and stratified each month using personalised risk data from Kaiser Permanente Hawaii's integrated clinical information system. At first this approach allowed nephrologists to offer their generalist colleagues tailored advice on managing each high risk patient, but those doctors already felt too overwhelmed with work and information to respond. Undaunted, the nephrologists offered to intervene when prompted by patients' risk profiles, rather than by traditional referrals, and this idea went down much

better. Over the next few years the specialists saw the right people, got fewer and more appropriate referrals, and used the released time and resources to support the generalists' management of less seriously ill patients. The percentage of patients who started haemodialysis as outpatients nearly doubled. The paper reports a before and after study in just one US state and one condition, but we published it because it's a good, practical example of using information technology and a bit of lateral thinking to integrate care and direct resources towards patients' needs and better clinical outcomes.

Such integration is hard to achieve on a large scale, and has proved elusive in the UK despite fairly good clinical information systems in primary and secondary care and a prolonged, expensive plan to develop the NHS National Programme for Information Technology in England. This summer the Conservative party called for the programme to be scrapped in favour of more local systems, after publication of a report that the party commissioned from the IT Policy Review Group. Michael Cross disagrees with the Conservatives' interpretation of that review and warns against short term populist interventions to dismantle the national programme (p 778). In any case, he says, the review actually supported much of the current plan. One thing he and the politicians do agree on, however, is that the technology must be refocused around the needs of patients, to save it from becoming just "a tool to extract data from the NHS."

Trish Groves deputy editor, *BMJ* tgroves@bmj.com

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PLUS

Career Focus, jobs, and courses appear after p 812

Last week's poll asked:**Should under 5s be allowed to touch animals at petting farms?****You voted:****Yes: 473 (82%) No: 106 (18%)****This week's poll asks:****Should doctors treating patients with genetic diseases be allowed to inform relatives about the risks they may face?****Go to bmj.com to vote****LATEST BLOGS**

A new mother who has to undergo an emergency caesarean section in Sierra Leone can expect to be presented with a bill of up to £175, three times higher than the average annual salary. Tejshri Shah, Head of Médecins Sans Frontières UK's Manson Unit, calls for healthcare fees to be scrapped in developing countries.



Finally, has epidemiology lost its way, asks Domhnall MacAuley, referring to a culture where experts talk up their findings, shamelessly court the media, and arguably lose the objectivity of their science

Join these debates and others at blogs.bmj.com/bmj/

**WHAT'S NEW ON BMJ.COM****LATEST RESEARCH**

Longitudinal histories as predictors of future diagnoses of domestic abuse
Commonly available longitudinal diagnostic data can be useful for predicting a patient's future risk of receiving a diagnosis of abuse. This modelling approach could serve as the basis for an early warning system to help doctors identify high risk patients for further screening.

Author Ben Reis talks about the study's findings in this week's BMJ podcast

Adiposity and weight change in mid-life in relation to healthy survival after age 70 in women:

This prospective cohort study examines the hypothesis that mid-life adiposity is associated with a reduced probability of maintaining an optimal health status. It concludes that adiposity in mid-life is strongly related to a reduced probability of healthy survival among women who live to older ages, emphasising the importance of maintaining a healthy weight from early adulthood.

See these and other research papers at bmj.com/research.dtl



Renowned medical ethicist Jonathan Glover has spent years trying to understand man's inhumanity to man. Blogger Deborah Kirklin is reminded of Professor Glover's book, *Humanity: a Moral History of the Twentieth Century*,

at a screening of the film *District 9*. Also, what are the links between hypochondria and artistic sensitivity?

Join these debates and others at doc2doc.bmj.com

**LATEST PODCAST**

Mabel Chew talks to consultant nephrologist Charlie Tomson about whether statins should be prescribed to patients with chronic kidney disease for primary cardiovascular prevention.

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Closing the evidence gap in integrative medicine

Trust me, I'm a scientist

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Selective serotonin reuptake inhibitors in pregnancy and congenital malformations

Health secretary announces end to GP catchment areas



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