

MIMS MATTERS

Autumn Edition 2014

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The Importance of Evidence-based Information

Evidence-based medicine is frequently promoted as a relatively young discipline, but its philosophical origins extend back to the practice of medicine in Paris during the mid-19th century. Evidence-based medicine has evolved from the critical need to bridge the gap between research and practice.

Fundamentally, evidence-based medicine is the judicious use of current best evidence in making decisions about the care of individual patients. The delivery of evidence-based medicine results from the integration of clinical experience, clinical practice and the best available external clinical evidence produced by systematic research.

In today's information era, the sole reliance on physicians experience or "gut feeling" is suboptimal. However it would be an imposable task for a clinician to independently cope with the influx of a huge variety of evidence-based information that could be considered in the care of an individual patient. The information available to the clinician may vary from irrelevant to very important, therefore evidence-based clinical decision support has emerged as a solution to integrate the best research evidence together with clinical expertise, patient values and experienced patient outcomes.

Clinical decision support to allow clinicians to provide evidence-based medicine therefore should also be based on evidence, be independent and be free of biases, commerical or clinical.

MIMS is well known as a reliable source of drug information based on pharmaceutical product information, but often overlooked is that MIMS is also Australia's leading independent source of evidence-based drug and medicines clinical decision information.

MIMS independent, evidence-based information is not only provided within the clinical decision support components of resources such as MIMS Online and eMIMS, but is also the information that supports clinicians in the prescribing, dispensing, administration and reconciliation of medications throughout the public and private acute care sectors as well across primary care, aged care and allied health.

It is estimated that over 90% of all medications prescribed or administered in Australian hospitals are supported by MIMS knowledge, and the majority of acute care clinical applications used to provide electronic medicines management in Australian hospitals are powered by MIMS independent, evidence-based information.

MIMS takes this responsibility to deliver the highest quality independent medicines knowledge and clinical decision support very seriously. Our clinical editorial charter places the highest value on independence and quality of information.



The Importance of Evidence-based Information continued...

- Data and information presented as clinical decision support are obtained only from recognised published medical literature or internationally accepted drug references, and not from the manufacturer's prescribing information.
- Monthly literature searches are done to ensure that the information is up-to-date.
- Monthly updates are completed using leads from online tertiary references. New prescribing indications are reviewed for new information and drug classes also undergo periodic review.
- MIMS clinical decision support is based on generic drug names and is able to recognise brand names.

MIMS Clinical Decision Support is internationally referenced and clinically reviewed. In acute care, each state and territory public health system and the leading private hospital groups rely on MIMS independent, evidence-based information to provide intervention checks for doctors, nurses, pharmacists and other health care workers to improve medication management at the point of care. Likewise in primary care, community pharmacy, aged care and allied health MIMS provides and encourages the use of independent, evidence-based information to support evidence-based medicine.

eMIMS
*Your first source of
digital medicines knowledge
- it's simple*

Last year MIMS launched the new eMIMSCloud. At the time because we understand that not all our customers are able to access medicines information via the internet and that installing the software onto your hard drive remains your preference we promised our customers we would bring them eMIMSDesktop. It's here and already being used by hundreds of happy customers.

Medicines Information

A screenshot of the eMIMS search interface. The search bar contains the text 'diab'. Below the search bar, there are several categories of results: 'Brands' (Diabex, Diabex XR), 'Generic' (Amino acids, Glipizide, Metformin hydrochloride, Urine test strip, multiple constituent), 'Therapeutic Classes' (Agents for urinalysis, Hypoglycaemic agents, Supplemental and enteral nutrition), and 'Indications'. To the right of the search bar, there are links for 'Advanced Search', 'Browse', and 'Search Tips'.

We think you may discover new depths to the medicines knowledge in new eMIMS simply because it will be easier and faster to find. We urge first-time browsers to follow their fingers and discover. As well as information that you are familiar with, the new eMIMS' improved pill identification and optional IMgateway drug/herb/food interactions module are the first of many content innovations.

New search capability means you can choose by brand, generic, indication or therapeutic class and it will even correct your spelling.

If you're a browser rather than a searcher you can do that too and the advanced search can help you narrow down the best options for someone in seconds.

Search results for Urine test strip, multiple constituent

Need to narrow down? [Refine your search](#) Didn't find what you want? [Try Advanced Search](#)

Simplicity itself! Refining your search makes looking for a gluten free option easy and fast. Refine your search further by simply choosing more options.

From your search results you can choose to view the Abbreviated PI the Full PI or CMI. You can also immediately add the medicine to the interactions checker from this view.

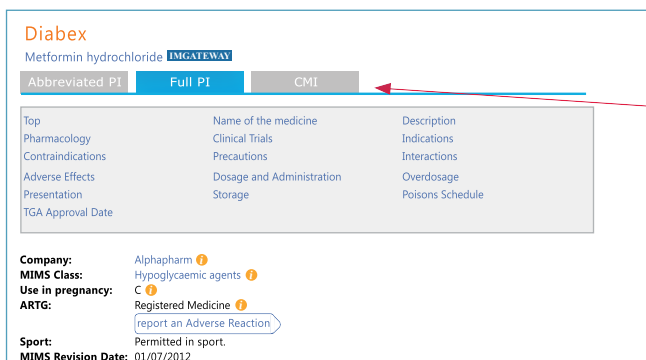


A screenshot of the 'Search Results Filters' panel. It contains several dropdown menus for filtering search results: 'Pregnancy Category' (set to '-- -Any- --'), 'Sport' (set to '-- -Any- --'), 'Gluten Free' (set to 'Yes'), 'Poison Schedule' (set to '-- -Any- --'), and 'PBS' (set to '-- -Any- --'). There are 'Reset' and 'Search' buttons at the bottom of the panel.

Choosing the Abbreviated PI gives you rapid access to the most commonly used information about any product including the PBS and Authority information and Nurse Practitioner prescribing rights. eMIMS makes it simple to access the very latest evidence of adverse events behind any of the prescription medicines available in Australia. You can view TGA Safety Bulletins or report an adverse event from here or the Full PI.

Choosing the Full PI will bring you to the TGA approved product information for specific brands.

Simple to find your way around, the PI view also allows you to view and report adverse events, add a medicine to the interaction

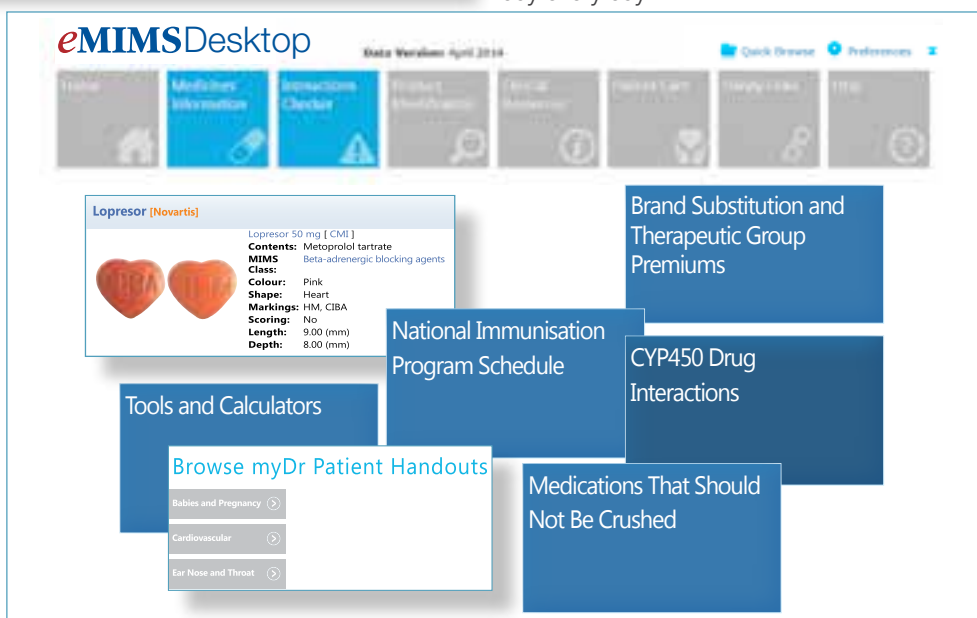


checker and provides you with the date MIMS last revised the information as well as the TGA approval date of that medicine.

Simply click on the section of the PI you want to read to go straight there, no more scrolling or ploughing through hard to read text.

eMIMS has always been about more than just medicines information and that continues with the eMIMSDesktop and eMIMSCloud

PBS substitution lists, immunisation information, patient information sheets for over 500 disease states and a load of useful tools and calculators means you have a tool you can use all day every day.



AMT (Australian Medicines Terminology)

AMT (Australian Medicines Terminology) has primarily been designed to enable interoperability between clinical solutions used within the healthcare sector. It provides a set of codes and descriptions to describe medicines for use across Australia. It is made up of information about the relationships between products, base and salt substance data, as well as information to enable the computation of product strengths.

MIMS has been providing a 'map' to AMT within the data provided to software partners for several months. Each month the editorial team updates this map with any additions or changes made to the AMT as well as changes within the MIMS content.

AMT provides a model for standard codes and descriptions for generics and brands. MIMS maps this code to the generics and brands currently marketed within Australia. By combining AMT mapping with the established MIMS data, which is widely deployed by clinical applications, we enable AMT to be rapidly incorporated by clinical systems.

Last year nehta released a 'beta' version on AMT Version 3. Following consultation and feedback from stakeholders, a preproduction version of AMT Version 3 has now been released. The availability of this preproduction version is to allow users of AMT to become familiar with the changes in structure compared to version 2. Further information on version 3 can be found at <https://www.nehta.gov.au/>

The current map delivered by MIMS will not be altered by the change from AMT V2 to V3. Any partners who are currently using the MIMS to AMT map will be able to support AMT version 3 in their applications without any change to their current use of our version 2 mapping.

NSW launches eHealth Blueprint

Investments in eHealth have the potential to deliver better and safer clinical care for patients no matter where they live, while also driving improved and sustainable network efficiencies.

Late last year, Health Minister Jillian Skinner launched "A Blueprint for eHealth in NSW". The blueprint sets out the NSW Government's principles and directions for using information and communication technology (ICT) to drive improvements in health and medical care in NSW over the next five years.

The blueprint formalises the establishment of eHealth NSW as a separate entity which will provide high level governance for NSW Health's information strategy, forward planning and delivery.

eHealth NSW will steer the \$400 million investment over the next five years. It will build ehealth capacity across the state through both consolidation and expansion of ICT programs such as electronic medications management, cutting edge initiatives, community health and outpatient care.

The eHealth NSW entity will introduce a federated governance arrangement which will be a dedicated organisation within NSW Health to guide eHealth planning, strategy, program implementation and operations. It will include a new eHealth Executive Council chaired by the Director General of NSW Health, and a federated-decision making model with Local Health Districts that promote local partnership and innovation.

The guided ICT investment for the next five years will be to build eHealth capacity and connectivity. eHealth solutions can create connected networks where healthcare and information can be delivered online at any time or anywhere in the state, which means clinicians in metropolitan areas can also support services in regional and rural centres.

Electronic records or online medical imaging, which is already in place, enable clinicians to manage and monitor patient data flexibly from multiple facilities. For patients, it reduces travel time and duplication of tests and can reduce barriers to care.

As a provider of medicines information and clinical decision support to NSW Health, MIMS understands the investments required in eHealth. MIMS has systematically adopted a broad range of ICT initiatives, which enable its medicines knowledge to be accessible in a mobile and integrated experience. These investments, similar to the ones in the blueprint, will help to improve access, connectivity, quality and safe care.

Our partnership with NSW in medicines knowledge and medication management already compliments many of the benefits of increased patient safety and we look forward to embracing this new direction for eHealth.

Structuring to Support Future Growth

Earlier this year, MIMS sold its medical publishing assets, Medical Observer and myDr.com.au, to Australia's largest B2B publisher, Cirrus Media. MIMS is now purely focussed on supporting and growing its medicines database products, which include print but are now predominantly digital.

The MIMS business has grown significantly over the past few years and is now a fully subscription funded business. Customers range from State health departments and major clinical information system providers to the full spectrum of health care professionals. Accelerated growth in the clinical information area, especially at State and hospital level, presents opportunities to further expand the MIMS footprint into these emerging markets.

The sale of Medical Observer and myDr to Cirrus Media allows an increased focus on growing the MIMS business at a time when the market is dynamic, new opportunities are presenting themselves and investment is required to be able to provide the products and services that will be needed in the future. Whilst MIMS currently has a very strong product offering in integrated clinical information, moving forwards there are opportunities to provide new products and services that will support not only current clients but also clients that are developing in new areas such as the rollout of electronic medical records in the acute care setting.

Identifying drug herb and drug food interactions – not always a piece of cake



In 2008/9 the NPS published a paper; Complementary Medicines Information Use and Needs of Health Professionals

Summary of results

In a nutshell the National Prescribing Service found that safety and interactions between herbal medicines and prescription drugs are amongst the information most required by health professionals. Furthermore, results of the surveys showed half the people who reported the use of complementary and alternative medicines also used conventional medicines on the same day, while the majority of usages were not reported to doctors.¹

Reading this report certainly confirms the feedback and discussion we have had with our customers at MIMS and was one of the motivators to include the IMgateway drug herb and drug food interactions data base which is currently available in eMIMS. We believe this interactions data base, which is simple to use and navigate, meets the needs of both prescribers and dispensers of prescription medicines as it provides a quick look at what possible interactions the patient will face.

The project to develop this evidence-based interactions data base was originally headed up by Professor Basil Roufogalis and Professor Andrew McLachlan, and the content has been updated and expanded regularly since its inception in 2002. The data now delivers over 500 interaction modules that cover food, herbs, Chinese Traditional Medicines and some Japanese Kampo Medicines.

The IMgateway database within eMIMS enables general practitioners, pharmacists and other health professionals to retrieve evidence-based information on clinically-significant drug and herb interactions. Subscribers can search a complementary medicine against a prescription medicine (or vice versa), quickly obtain a recommendation on whether the combination should be avoided, or be alerted if caution is required.

IMgateway drug interaction data is available within eMIMS as an additional subscription. For more information about this subscription please call our client services team on 1800 800 629.

Caduet
Amlodipine Atorvastatin

Generic ingredients that interact with foods and/or herbal medicines are flagged in the search result - simply click on the IMgateway logo and view the interactions

Interactions are rated by severity and include those that are potentially beneficial to the patient

Alternately go straight to the interaction checker and the IMgateway tab

Interaction Results		Interaction Details		
Herb	Drug	Drug Class	Recommendation	
St John's wort	Atorvastatin	Hypolipidaemic agents	Avoid combination	more >
Grapefruit juice	Atorvastatin	Hypolipidaemic agents	Caution	more >
Black cohosh	Atorvastatin	Hypolipidaemic agents	Caution	more >
Ginkgo biloba	Atorvastatin	Hypolipidaemic agents	Unlikely	more >
Vitamin D	Atorvastatin	Hypolipidaemic agents	Potentially beneficial	more >

Search by herb supplement or food; Drug Class or generic drug.

You can email and print your results or save as a PDF.

For each interaction there is a link through to further information about the evidence presented.

1. November 30, 2009 'Database highlights hazardous drug combinations' Retrieved from <http://sydney.edu.au/news/84.html?newsstoryid=4248>

Electronic Medication Management at Macquarie University Hospital

Sydney's Macquarie University Hospital (MUH) is at the forefront of digital hospitals in Australia and has been rated in the top 3% of Australian hospitals for Electronic Medical Records. At the heart of this success is the hospital's approach to managing clinical information and providing digital clinical resources and applications directly in the clinical workflow.

Right from the first day the hospital opened, MIMS has been MUH's partner for drug and medicines knowledge, information and clinical decision support.

The hospital invests a considerable amount of time and effort in analysing staff and doctor feedback and documentation to assess the suitability of the current clinical information systems to meet their needs. In addition to reviewing the hospital's current vendors' product direction and plans, the hospital demands that clinical information is interoperable and can be shared

completely across their clinical and organisational environment.

With the drive for continuous clinical and organisational digital information flexibility the hospital is now rolling-out their next generation clinical information system from MIMS partner InterSystems.

The InterSystems solution will provide a single electronic medical record and patient administration system across the hospital, the clinics and some of the University clinics. MIMS is currently working with InterSystems and the hospital to integrate MIMS independent, evidence-based drug information to all the clinical application modules. This integration provides real-time interactivity and intervention checks for doctors, nurses and pharmacists allowing improved prescribing, administration and full electronic medication management at all points of care in the hospital.

Support for XP Ends on April 8

Microsoft Windows XP was launched in 2001 and is arguably their most successful operating system. Although Windows XP is now 12 years old, it is still widely used today within home and business environments. Over the past ten years Microsoft released several updates to the Windows operating system (Windows Vista, Windows 7, and Windows 8), but for various reasons, users and IT departments have not upgraded. One important reason that may have influenced the decision not to upgrade may be that your applications are incompatible.

Microsoft's official position on support for Windows XP is... *"After April 8, 2014, there will be no new security updates, non-security hotfixes, free or paid assisted support options or online technical content updates."* Windows XP should continue to work on your computer after this date. However, continuing to use an unsupported version of Windows may result in your computer and network security being at risk. You may also find that suppliers of your application software and device drivers may also reduce or stop supporting Windows XP.

A quick search on the internet will present you with many articles on this subject as well as advice on topics such as:

- Things to consider before upgrading
- How to upgrade to Windows 7 or Windows 8

We urge you to do your own research and determine the most appropriate pathway forward for you.

For the old eMIMS application, it will run on Windows 7 and Windows 8, however, we do recommend that you take this opportunity to upgrade to our new eMIMSDesktop or eMIMSCloud products. We also recommend that before you upgrade your computer and/or Windows, that you seek advice from your other software vendors to ensure that their systems are compatible with your chosen solution.

If you have not already started reviewing your options, then you may find the following websites useful:

- Microsoft Australia – General Information <http://www.microsoft.com/en-au/windows/enterprise/end-of-support.aspx>
- Microsoft USA – General Information (<http://www.microsoft.com/en-us/windows/enterprise/end-of-support.aspx>)
- Windows lifecycle fact sheet (<http://windows.microsoft.com/en-au/windows/lifecycle>)

When doing your research you will need to consider whether you are upgrading to Windows 7 or Windows 8. Keep in mind that if you have an old computer, then it may not work very well with Windows 8. If you prefer to seek advice outside of the Microsoft links above, then try searching the internet for things like "Windows XP upgrade options".

If you decide to purchase a new computer, then you will have further decisions to make. There are many more choices of desktops and laptops available today, and prices will vary greatly. One very important thing to note is that Microsoft created a special version of Windows 8, known as WinRT. This was created to allow hardware manufacturers to build low cost touch screen / tablet devices to compete with Apple and Android devices. These new style WinRT devices are low-cost and will work well with cloud-based solutions (such as the new eMIMSCloud), but they will not run full Windows Applications such as the old eMIMS and new eMIMSDesktop. If you have a Practice Management or Dispensing software that needs to be installed on your computer, then most likely it will also be incompatible with WinRT.

We hope that this article has been useful and provides enough insight to allow you to do your own research. If you have any questions regarding the compatibility of MIMS products with Windows, then please go to our website or contact our customer services team via email (support@mims.com.au) or call 1800 800 629.



CPD BY the Sea

February 2014

For the first time MIMS was a sponsor at this local (for us anyway) event and it was a terrific weekend filled with learning, engagement with our customers and lots of Manly end of summer sunshine.

It was a very busy weekend as we spent time showing delegates how to use the new eMIMSCloud and eMIMSDesktop which created excitement and provided us with wonderful feedback about the new modern interface, the content and the simple functionality.

MIMS was pleased and excited to announce to the delegates that we have partnered with the Pharmacy Guild of Australia to sponsor the MIMS Pharmacy Guild Intern of the Year Award. The first intern to win this new award will come from the 2014 cohort of Guild interns. The winning intern will be provided with a \$4000 education and travel grant early in 2015.

MIMS provides complimentary access to eMIMS for all pharmacy interns and was invited to facilitate an eMIMS workshop for the Guild interns over the weekend. In spite of the fact it was "the morning after the night before" the interns were engaged and vocal with many coming to the MIMS stand later in the day to ask questions and try using the new eMIMSCloud and/or eMIMSDesktop.

MIMS was also invited to participate in a Mental Health, MedsCheck session designed to help the pharmacist identify how to research medicines using the new eMIMS platform from finding out what the tablet is, to adverse effects and interactions in a very



practical way. The session was well attended and, as always when we workshop eMIMS, feedback was positive as the delegates felt they had gained a much better understanding of the resources they can access. One of the delegates said after the workshop "I had no idea about all the resources in eMIMS and how it can help support patient care and my own clinical knowledge".

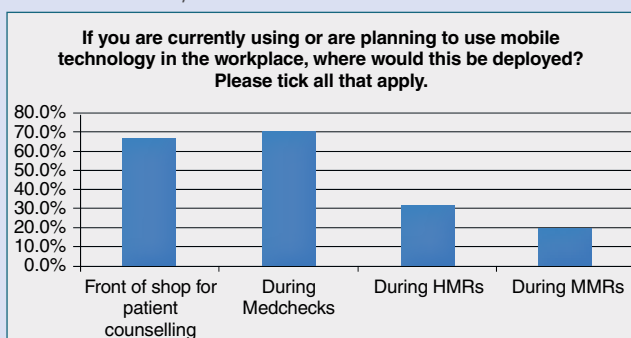
One of The Pharmacy Guild of Australia, NSW Branch's key goals is to "continuously evolve their education programs, to deliver the pharmacy industry with a conference program covering topics that are different, relevant and provide practical learning." Judging by the varied and interesting line up of the education sessions this goal was reached. The highlight seemed to be the Vaccine and Injection Technology Credentialing sessions, as all we could see from the MIMS stand was vast numbers of pharmacists toing and froing with kidney dishes and concentrated facial expressions. Carl Cooper, Lecturer in Pharmacy Practice from Charles Sturt University presented the new course which also included pre-course reading and online ASCIA Anaphylaxis training.

Our thanks to the team at the NSW Guild for helping make this such a terrific conference for both delegates and exhibitors – we'll be back.

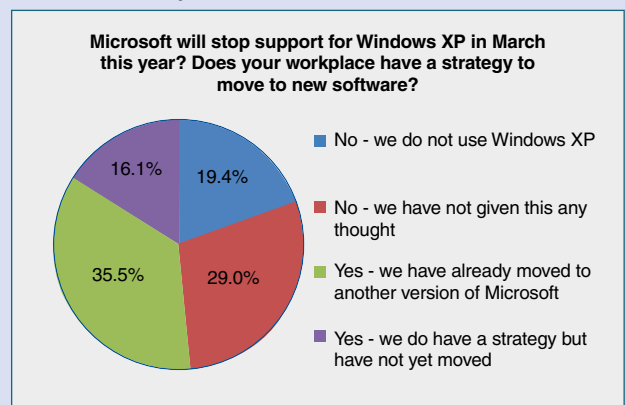
CPD BY the Sea Survey Results

We did a survey at CPD by the Sea – thanks to everyone who took the time to do this and to the two winners – hope you enjoyed the Moet.

We thought we'd share a couple of things you might find of interest. Firstly there is clearly a move to using mobile technology for patient counselling, during MedChecks, HMR's and MMRs.



Secondly, with Microsoft no longer supporting Windows XP we thought we'd ask how many people have actually moved to another platform; while most have, many (29%) haven't given it a thought – if you are one of those you need to move.



Staff Profile

Jimmy Young

Account Manager

Institutions - Australia



What I do?

My role is to support and develop the growth of MIMS institutional market in Australia. This includes building and maintaining valued business relationships with existing users and partners.

Some core values in the role is to enable client success; ensuring our partners have

great trust in our medicines knowledge and the ability to deliver quality and safe solutions in a timely matter. We challenge the boundaries by solving problems and being creative and ensuring all dealings are conducted with honesty, integrity, openness, respect and consideration.

What is your background?

Majority of my work experience has been in eHealth and health informatics which is over 13 years in Australia. I've worked for clinical application companies that incorporate MIMS medicines knowledge for their products such as IBA Health/CSC followed by ICSGlobal and Orion Health promoting its ehealth capabilities and clinical solutions to various healthcare providers, insurers and consumers. In each of these roles I was involved in product development from conceptual design right through to marketing, sales, training and implementation.

At WentWest Medicare Local I was the Health Services and Development Manager, and was responsible for providing strategic management and leadership to a range of teams to deliver health support services and direct patient services to improve the health of the community.

I had all responsibility for managing the development of targeted interventions to improve clinical outcomes, supporting general practice across a range of programs that include: immunisation, mental health, practice nursing and chronic disease management.

What do you enjoy most about your role?

Having only joined the company in November 2013, I've been fortunate to be working alongside a number of passionate, experienced and professional colleagues at MIMS. I have thus far enjoyed learning about the business and its environment and I look forward to meeting many of our key stakeholders, customers and partners in the coming months.

What do you see as the challenges for MIMS?

The reliance on integration, infrastructure and standards will play a major part in developing the way MIMS delivers medicines knowledge. It's pivotal, as the lead organisation supporting medicines knowledge throughout Australia, that we work collaboratively with healthcare providers, the healthcare industry, policy makers and funders towards a safe, secure and efficient health system that will deliver better health outcomes.

What do you enjoy outside the office?

I enjoy spending time with family and friends, whether it's having coffee, dining out or dancing the night away.

I enjoy watching all sports in particular basketball and rugby league, however most weekends have now been occupied with major renovations to the home, it's been a great way to exercise and there's a nice sense of satisfaction when getting your hands dirty.

Conferences

Come and see the MIMS team at the following conferences:

National Medicines Symposium 2014
Wednesday 21st May – Friday 23rd May
Brisbane Convention & Exhibition Centre

<http://www.nps.org.au/about-us/what-we-do/campaigns-events/national-medicines-symposium/program>

Australian Practice Nurse Association National Conference
Thursday 29th May – Saturday 31st May
Hilton Hotel, Sydney

<http://www.apna.asn.au/scripts/cgiip.exe/WService=APNA/ccms.r?PagelD=12276>

Clinical and Practice Expo
Friday 30th May – Sunday 1st June
Hordern Pavilion, Moore Park, Sydney

<http://www.psa.org.au/cpexpo>

ConPharm 2014 Conference
Sunday 1st June – Tuesday 3rd June
Sheraton Mirage Resort, Port Douglas, QLD

<http://www.conpharm14.com.au>

NSW Pharmacy National Convention & Exhibition
Friday 20th June – Sunday 22nd June
Australian Technology Park, Sydney

http://www.guild.org.au/nsw_branch/training-events/events

Digital Revolution in Seniors Living 2014 Conference
Tuesday 22nd July to Wednesday 23rd July
Hotel Grand Chancellor, Hobart

http://www.australianageingagenda.com.au/ai1ec_event/itac-2014/?instance_id=79

The Pharmacy Management Conference
Wednesday 30th July – Friday 1st August
Marriott Resort & Spa, Surfers Paradise

<http://www.pharmacyconference.com.au/>

Nursing Informatics Conference
Monday 11th August
Melbourne Convention & Exhibition Centre

<http://www.hisa.org.au/page/hic2014nia>

HIC
Monday 11th August – Thursday 14th August
Melbourne Convention & Exhibition Centre

<http://www.hisa.org.au/page/hic2014>

Aged Care Informatics 2014 Conference
Wednesday 13th August
Melbourne Convention & Exhibition Centre

<http://www.hisa.org.au/page/hic2014aci>

