Evaluation of the Evolution of the Pharmaceutical Industry Based Medical Information Dissemination to Healthcare Professionals
Kaleen Barbary, PharmD, Jamie Holmes, PharmD, and Evelyn Hermes-DeSantis, PharmD, BCPS
Ernest Mario School of Pharmacy, Rutgers University, Piscataway, NJ

Discussion
The landscape for Medical Information Specialists in the pharmaceutical industry is changing, and has developed from a combination of various components including literature database storage, degree of Medical Information expertise, and computer-based interfacing. This process began with computer-based technologies that explored local area networks and made real-time literature searching possible. Advances in information storage allowed for the evolution of the Medical Information Specialist. The role of a Medical Information Specialist was no longer seen as a distinct individual who handled unsolicited questions, but rather as a clinical professional with an advanced degree and strong clinical background. Furthermore, the advent of Medical Science Licenses allowed for the opportunity to expand Medical Information externally, giving healthcare providers a personal encounter to discuss drug and product information. Today, electronic documents such as wikis, blogs, and podcasts are the latest of collaborative web-based tools that allow healthcare professionals to receive instant drug information updates. These tools foster collaborative practice sharing methods, by which Medical Information Specialists in the pharmaceutical industry can deliver product specific and disease state information. The current research aims to identify which of these web-based resources are being used, as well as determine when this new form of social media will be integrated into the role of Medical Information within pharmaceutical industry.1,2

Objective
The objective of this study is to evaluate the evolution of methods used to disseminate Medical Information to healthcare providers (HCPs) by the pharmaceutical industry.

Methodology
Twenty pharmaceutical, biotechnology, or biopharmaceutical companies were evaluated through responses submitted from Medical Information Specialists within respective organizations. Participants were asked to identify past, current, and future use of various methods of medical information dissemination including email, mail, phone, iPod applications, podcasts, and real-time web access, among others. The data was also used to identify the period of time in which each company utilized such technology, or if plans to implement such applications have been determined. The Rutgers Pharmaceutical Industry Fellowship alumni database provided contacts for Medical Information Specialists at pharmaceutical, biotechnology, and biopharmaceutical companies. Missing alumni data and additional Medical Information Specialists were also collected through an evaluation of online profiles in the LinkedIn professional networking site. To collect and evaluate such data a questionnaire was developed and distributed using SurveyMonkey™.com, a web-based survey tool.

Results
The authors would like to recognize the following individuals for their contribution to the development of this poster: Nisha Patel, Nanrita Nandra.

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Conclusions
A limited number of companies surveyed are currently employing the use of innovative technologies such as iPhone applications, professional networking sites, webinars, and real-time chat features to disseminate Medical Information, based on independent observation of publically disclosed information as well as the results of this survey. Most Medical Information departments have not largely adopted point-of-care or interactive tools for distribution of information. One possible barrier to implementing these technologies may include FDA regulations. With expanded access and knowledge of such applications, Medical Information departments may establish the need for innovative Medication information dissemination.

Limitations:
• Medical Information Specialists reported hesitation to disclose new use of technologies to disseminate information based on proprietary agreements within respective companies. This also limited the number of respondents.
• The number of respondents accessing and completing the survey was limited.

Background
The landscape for Medical Information Specialists in the pharmaceutical industry is changing, and has developed from a combination of various components including literature database storage, degree of Medical Information expertise, and computer-based interfacing. This process began with computer-based technologies that explored local area networks and made real-time literature searching possible. Advances in information storage allowed for the evolution of the Medical Information Specialist. The role of a Medical Information Specialist was no longer seen as a distinct individual who handled unsolicited questions, but rather as a clinical professional with an advanced degree and strong clinical background. Furthermore, the advent of Medical Science Licenses allowed for the opportunity to expand Medical Information externally, giving healthcare providers a personal encounter to discuss drug and product information. Today, electronic documents such as wikis, blogs, and podcasts are the latest of collaborative web-based tools that allow healthcare professionals to receive instant drug information updates. These tools foster collaborative practice sharing methods, by which Medical Information Specialists in the pharmaceutical industry can deliver product specific and disease state information. The current research aims to identify which of these web-based resources are being used, as well as determine when this new form of social media will be integrated into the role of Medical Information within pharmaceutical industry.1,2

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