International Journal of Scientific Research & Engineering Trends
Volume 6, Issue 6, Nov-Dec-2020, ISSN (Online): 2395-566X

The Role of Financial Education in Enhancing the Socio-Economic Stability of International Migrants - A Study of Global Banking Adaptation

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Abstract- In the past few decades, there has been an upsurge in international migration which has led to the creation of new economic opportunities as well as exposing migrants to financial marginalization and institutional obstacles in the host nations. A lot of migrants have problems with the comprehension of new banking systems, financial policies, and credit models that restrict their access to formal financial services and obtaining economic stability in the long term. This paper explores how financial education can help to improve the socio-economic well-being of international migrants and how financial literacy can aid international migrants to adapt to the banking systems of other countries. The study takes the qualitative research design based on secondary data, such as scholarly works and research conducted on migration, financial inclusion, and banking access worldwide. The article examines the connection between financial literacy, bank account ownership, and economic wellbeing of migrants. The results provide that financial literacy enhances the capacity of the migrants to control the level of income, earn savings behaviour, and use formal banking products like bank accounts, remittances, and credit facilities. Financial education can also enable migrants to fit into the institutional financial systems and diminish the reliance on informal financial systems. The paper also notes that financial inclusion can bring to the economies of host countries more comprehensive economic benefits in terms of increased productivity, entrepreneurship, and inclusion in the financial system. The study finds that enhancing the effectiveness of migrant-oriented financial education and enhancing access to non-discriminatory banking services are critical measures to counter social mobility and sustainable economic integration.

Keywords – Financial Literacy, International Migration, Social Mobility, Financial Inclusion, Global Banking Systems, Economic Integration, Migrant Adaptation, Financial Education, Economic Stability, Banking Accessibility.

I. INTRODUCTION

Global Migration and Financial Integration

International migration has turned into a significant international phenomenon that affects the economic progress, labour mobility, and international collaboration among the countries (Aleshkovski, 2016). The economic imbalance between nations and the rise of the demographic pressures have also led to the incessant migration flows throughout the twentieth and twenty-first centuries, so migration is a significant structural factor of the global economy (Dao et al., 2018). By providing labour solutions to labour deficit, enhancing productivity, and remittances to support families and communities in the home countries, migrant labour currently becomes significant in the maintenance of the economic growth (Noja et al., 2018). Moreover, migrants work in other areas that are frequently overlooked but in reality are critical elements of the contemporary economies like agriculture, construction, and domestic care (Shah and Lerche, 2020). Although migrants contribute to economies, most of them often struggle to be included in financial systems in new host economies. Most of the migrants do not understand the formal banking, financial regulations, and credit structures that are found in the host nations. Their level of ignorance on financial services may limit their chances to access bank accounts, credit facilities, or savings instruments.

Problem Statement

The migrants are usually faced with language barriers, new banking rules, and problems in setting up credit histories in the host economies. These aspects render migrants having trouble in borrowing loans, savings account, or any other financial provisions which promote long-term financial sustainability. As a result, informal financial services or cash-based transactions are applied by a significant number of migrants making them more economically vulnerable. It has also been found that migrants tend to experience institutional barriers in their effort to access financial services, such as the requirements of documentation and the lack of financial education opportunities (Savazzi et al., 2020). These issues show the need to enhance financial education and financial inclusion policies to facilitate migrant economic integration and socio-economic stability.

Research Objectives

- To examine the relationship between financial literacy and the socio-economic stability of international migrants in host countries.
- To analyse how financial education helps migrants understand and adapt to global banking systems and financial regulations.
- To evaluate the role of financial inclusion in improving migrants' access to banking services, savings opportunities, and credit facilities.
- To assess how financial education and banking access contribute to long-term social mobility among migrant populations.

II. LITERATURE REVIEW

Theoretical Framework

Human Capital Theory is the theory that presents the improvement of productivity, economic opportunities, and development of a person due to the knowledge and skills. According to the theory, education and training is an investment that improves human competences and boosts the performance in the economy (Wuttaphan, 2017). Financial education, in relation to migration, can be considered a valuable source of human capital to enable migrants to know financial regimes and economic factors in their host-countries. Migrants would become more competent in financial knowledge, which will enable them to manage savings, access banking, and make informed financial decisions. This is the knowledge that makes them more adaptable to international banking frameworks and be a part of formal financial institutions. Financial literacy, in turn, increases the financial ability of migrants and their financial autonomy by increasing their capacity to find stable jobs, handling financial assets, and attaining socio-economic sustainability in the domestic economies.

International Perspectives

Financial Literacy and Migrant Economic Adaptation

Financial literacy is also important in assisting the migrants to comprehend financial systems and cope with financial obligations of the receiving countries. Financial education enables the migrants to acquire skills in budgeting, savings, access to banking and responsible financial decisions. The studies of the North Korean refugees indicate that those who have a higher financial literacy level can more easily adjust to the new economic system and use the available money resources more efficiently (Kim et al., 2017). Financial education also enables migrants to gain knowledge on complicated financial institutions, credit systems, and formal banking processes. In the absence of this knowledge, migrants might find it difficult to integrate into the host economies and might be dependent on informal financial services which offer very little security and stability.

Financial Inclusion and Global Banking Adaptation

The presence of formal financial institutions is a formidable part of migrant economic integration. The migration of people into and out of countries can have some difficulties in adjusting to the global banking systems because of the differences in the financial regulation of the countries, documentation, and institutional structures of the countries. Financial literacy enhances the capacity of migrants to navigate through banking systems and the capability to understand the financial services offered in the host economies. According to studies on financial literacy in Asia, education and access to financial information have a strong impact on the ability of people to engage in formal financial systems and enhance their financial decision making (Xiao, 2020). The better the migrants are informed about the banking processes, digital payment systems, and the savings structure the more they are inclined to employ the formal financial services.

Socio-Economic Stability and Migrant Adaptation

The socio-economic stability of migrants is determined by a number of factors such as employment prospects, sociality and access to financial resources. The migrants usually move to better their economic lives and social mobility in the long run. According to research, migration is directly related to development results since it allows people to obtain superior jobs and economic resources (Upreti and Shrestha, 2016). Nevertheless, migrants often encounter difficulties connected with access to labour market, wage stability and financial safety in the home countries. To illustrate, the research about African migrant women in South Africa reveals that migrants tend to use employment as a coping and adaptation strategy to become economically stable in new locations (Ncube et al., 2020).

Social Risks and Economic Mobility of Migrants

Although migration could have certain positive impacts, there are a number of social and economic risks that migrants can face within the process of adapting to the new environment. Migrants can be limited by their financial vulnerability, financial literacy, and institutional support barriers to economic mobility. International labour migration usually puts the migrants at risk of economic insecurities, unreliable jobs, and inaccessibility to financial protection systems (Kuzior et al., 2020). The cultural and social integration in the host societies requires socio-economic adaptation as well. The studies of the Russian-speaking immigrant population in Belgium also show that socio-economic adaptation depends extensively on the cultural adjustment and the possibility to become a part of the institutions of the host country (Grigoryev and Berry, 2017).

Research Gap
The current knowledge bases the significance of financial literacy and socio-economic adjustment in migrants, and a number of limitations are noted. Most research concentrates on overall financial behaviour or cultural assimilation in lieu of exploring the way migrants become accustomed to the global banking structure and official financial institutions (Xiao, 2020). Moreover, there is scanty literature, which links financial education to long-term social mobility of migrants. Thus, the current research will fill this knowledge gap by examining the role of financial literacy in enhancing the banking adjustment of migrants and the socio-economic stability of host nations.

II. RESEARCH METHODOLOGY

Research Philosophy
In this study, the interpretivism research philosophy was used to comprehend the role of financial literacy in the socio-economic stability of foreigners migrants. The interpretivism philosophy emphasises on the interpretation of social realities based on the interpretation of experiences, behaviours and institutional settings (Kelly and Cordeiro, 2020). Migration and financial adaptation is a complicated social process which depends on cultural, economic, and institutional issues. Thus, interpretivism was deemed effective as it enabled the researcher to make inferences about the experiences of migrants in terms of financial systems and banking systems in the host nations. In this way, the research examined the current academic and international financial reports to explain the role of financial education in helping migrants integrate economically and be financially independent. The interpretivism philosophy has been used to analyze various international situations in which migrants are faced with varying banking policies and financial inclusion policies.

Research Approach
The study used inductive approach in order to formulate findings based on available literature and secondary data on financial literacy and economic integration of migrants. The inductive researcch approach starts with certain observations and builds up to general conceptual knowledge (Varpio et al., 2020). Patterns and themes in this study were developed based on the earlier researches published on the same, migration reports, and financial inclusion studies. Through these sources, the research established that there are general difficulties that migrants experience in their attempts to cope with global banking systems and financial institutions. Inductive approach suited the study due to the research question that sought to examine relationships among financial literacy, banking access and social-economic stability as opposed to testing hypotheses.

Research Design
This study adopted a secondary qualitative research design. The design dealt with the examination of available qualitative and conceptual data concerning the academic literature, migration reports, and financial inclusion studies. Secondary qualitative research enabled to analyze the trends and experiences of the world without gathering firsthand information concerning the topic (Akcam et al., 2019). When it comes to international migration, the secondary qualitative analysis is especially helpful, as the information is obtained by examining the views of several countries and institutional settings. The study thus examined the published articles that talked about migrant financial literacy, economic integration, and banking adaptation in various regions of the globe.

Data Collection Tools
The secondary sources were used to get the data employed in this research. These were peer-reviewed academic journals, international migration reports and research on accessibility of financial inclusion and banking services. The secondary data enabled to conduct an analysis of available literature associated with financial literacy and migrant socio-economic stability (Akcam et al., 2019). The fact that numerous scholarly sources were used also contributed to the strengthening of the reliability of the findings as it was possible to compare various international studies and points of view.

Ethical Considerations
Ethical standards were observed keenly during the research process. No face-to-face contact with human participants was possible since the research was conducted solely based on secondary data. All the sources of data utilized in the study were public academic publications and research reports. Academic integrity and plagiarism were prevented by ensuring that appropriate citation and referencing practices were observed. Moreover, the research did not infringe on intellectual property rights by not crediting original authors and researchers.

IV. Data Analysis and Results

Financial Literacy and Income Stability among International Migrants
Financial literacy is significant in enhancing the economic stability of the international migrants. Migrants with a financial background can better utilize income, budget households and make sound financial choices. Financial literacy aids the migrants to learn about the employment income systems, banking systems, and financial laws in the host nations. Studies show that migrants usually rely on the involvement in the labour market as one of the most important factors of their economic adjustment and income security in host communities (Ncube et al., 2020). This process can be facilitated by financial education as it enhances the capability of the migrants to effectively manage the wages, savings, and other financial resources. The financial resilience research also shows that financially literate people can better deal with financial uncertainty and economic shocks (Klapper and Lusardi, 2020).

Savings Behaviour and Use of Formal Banking Services among Migrant Populations

Another factor that impacts positively on migrant economic stability is the savings behaviour. Migrants tend to keep some of their earnings so that they can pay families, invest in enterprises or plan on how to meet economic demands in the future. Money literacy will make the migrants realize how necessary it is to save money and will also persuade them to rely on formal financial institutions. Studies indicate domestic savings by migrant populations tend to be a migration capital that enhances economic mobility and financialism (Kluchnyk and Davymuka, 2020). Financial security is also enhanced by availability of formal banking facility like saving accounts, remittance systems, and other financial planning devices. The migrants engaging in the use of formal banking services are in a better position to grow their financial behaviour and lessen reliance on their informal financial systems.

Barriers to Banking Access and Financial Services for Migrants

Although financial literacy is advantageous, migrants tend to encounter a number of obstacles to banking services. Documentation, identification processes, and verifying credit histories are some of the institutional requirements that could restrict access of migrants to the financial institutions. Language barriers and lack of awareness on financial regulations in the countries of residence are also common in most migrants. Such difficulties may cause the migrants to depend on informal financial networks or cash based transactions. It has been pointed out in the research that social and economic risks such as financial vulnerability and poor institutional support are typically linked to international labour migration (Kuzior et al., 2020). Research has also shown that migrant entrepreneurs often experience financial inclusion challenges, limiting the access to credit and banking services (Savazzi et al., 2020).

Regional Differences in Migrant Banking Adaptation

The economic, cultural, and institutional differences in the various regions of the world make the process of the migrant adapting to the banking systems different. In Europe, the migrants tend to encounter organized financial systems but might have problems that are associated with cultural assimilation and the institutional laws. The studies of the Russian speaking immigrants in Belgium show that social-economic adaptation is highly determined by the social integration and the support of the institutions in the host communities (Grigoryev and Berry, 2017). The financial infrastructure in North America is usually favorable to the immigrants, but they might face cultural and informational limitations when using financial services. Financial literacy and financial education programs have come to play a greater role in assisting financial integration of migrants in the Asian context. Knowledge of culture and access to financial information are thus critical variables that will determine the success of migrants in successfully adapting to the banking system of various regions (Na et al., 2016).

V. DISCUSSION AND POLICY IMPLICATIONS

Interpretation of Findings

The results on this research show that financial education is one of the key factors in enhancing adaptation of migrants into formal banking systems within host nations. Financially literate migrants have a higher ability to comprehend banking, savings and credit modalities. This information will help them operate the formal financial institutions efficiently and decrease reliance on informal financial systems. Financial inclusion thus enhances economic stability by enabling the migrant to be in control of the income, save and use financial services that will enhance long term financial stability. The findings also indicate that those migrants who are more financially literate are economically independent and have better financial decision making abilities.

Financial literacy is a valuable type of human capital as it helps migrants to negotiate the entire complicated financial field and develop financial stability. In the event that the migrants effectively enter into the formal banking systems, they can effectively engage in the economic activities like entrepreneurship, employment and investment. Financial inclusion thus does not only prove useful to migrants, but also leads to the economies in host countries by enhancing economic involvement, productivity and financial system involvement.

Global Policy Recommendations

Governments ought to launch migrant-oriented financial literacy in order to enhance the financial inclusivity and socio-economic wellbeing of migrants. Through these programs they can train on financial systems, financial saving techniques and financial laws in host countries. Moreover, to allow the migrants to open the bank accounts and access the financial services easier, the financial institutions are also supposed to make the documentation process easy and offer more transparent rules (Latonero et al., 2019). Migrant financial integration can also be supported via digital banking platforms through the provision of multilingual financial education tools and easy mobile banking applications (Colucci et al., 2017). This would not only increase access to financial services, financial literacy and long-term social mobility of migrants by improving economic engagement and financial autonomy in host societies.

VI. CONCLUSION

Summary of Contribution

The study has discuss the role of financial education in improving the social-economic stability of international migrants and how financial literacy can enable migrants to adapt their global banking. The results indicate that financial knowledge plays an important role in determining the capability of migrants to manage income, form savings behaviour, and formal banking services. Migrants with better financial literacy can learn the banking processes, financial policies and credit practices in the host countries better. Another significant point in the study was the enhancement of economic security through enhancing financial literacy by enhancing financial decision-making and promoting responsible financial behaviors. Understanding financial systems enables the migrants to make long-term financial objectives, accumulate savings, and become more financially resilient. The obtained results Since the issue of migrants and their financial independence is critical, the role of financial inclusion becomes evident. The study is thus able to add to the body of literature that relates financial literacy with migrant banking adaption and socio-economic mobility in a global environment.

Future Research Directions

The application of digital banking technologies in enhancing financial inclusion of migrant populations should be examined in future studies. The growing popularity of mobile banking and fintech services gives the migrants a new opportunity to gain easier access to financial services. The role of fintech innovations in assisting migrant financial inclusion and decreasing the barriers to banking access can also be studied by researchers. Moreover, research on the effectiveness of financial literacy programs in developing nations where a large number of migrants have their origins needs to be done in the future. The relationship between financial education and the financial readiness of migrants prior to migration may be a valuable source of information on how financial preparedness policies can be enhanced worldwide to support the process of global financial inclusion and reinforce the socio-economic mobility of migrants.

REFERENCES

1. Akcam, B.K., Guney, S. and Cresswell, A.M., 2019. Research design and major issues in developing dynamic theories by secondary analysis of qualitative data. Systems, 7(3), p.40. https://www.mdpi.com/2079-8954/7/3/40
2. Aleshkovski, I., 2016. International migration and globalization: global trends and prospects. Journal of Globalization Studies, 7(2), pp.32-48. https://www.uchmet.ru/upload/socionauki.ru/journal/jgs/2016_2/032-048.pdf
3. Brzozowski, J., 2017. Immigrant entrepreneurship and economic adaptation: A critical analysis. Entrepreneurial Business and Economics Review, 5(2), pp.159-176. https://eber.uek.krakow.pl/index.php/eber/article/view/251/472
4. Colucci, E., Smidt, H., Devaux, A., Vrasidas, C., Safarjalani, M. and Castaño Muñoz, J., 2017. Free digital learning opportunities for migrants and refugees. An Analysis of current initiatives and recommendations for their further use. JRC Science for Policy Report. Luxemburg: Publications Office of the European Union. doi, 10, p.684414. https://www.researchgate.net/profile/Hanne-Smidt/publication/316829741_Free_Digital_Learning_Opportunities_for_Migrants_and_Refugees_An_Analysis_of_Current_Initiatives_and_Recommendations_for_their_Further_Use/links/5912e3f50f7e9b70f4987c36/Free-Digital-Learning-Opportunities-for-Migrants-and-Refugees-An-Analysis-of-Current-Initiatives-and-Recommendations-for-their-Further-Use.pdf
5. Dao, T.H., Docquier, F., Maurel, M. and Schaus, P., 2018. Global migration in the 20th and 21st centuries: the unstoppable force of demography. https://hal.science/hal-01743799v1/file/WP223_Ferdi_Dao%20at%20al_Global%20migration.pdf
6. Grigoryev, D. and Berry, J.W., 2017. Acculturation preferences, ethnic and religious identification and the socio-economic adaptation of Russian-speaking immigrants in Belgium. Journal of Intercultural Communication Research, 46(6), pp.537-557. https://www.researchgate.net/profile/Dmitry-Grigoryev-2/publication/320356133_Acculturation_Preferences_Ethnic_and_Religious_Identification_and_the_Socio-Economic_Adaptation_of_Russian-Speaking_Immigrants_in_Belgium/links/5c94a25ba6fdccd46031875d/Acculturation-Preferences-Ethnic-and-Religious-Identification-and-the-Socio-Economic-Adaptation-of-Russian-Speaking-Immigrants-in-Belgium.pdf
7. Grigoryev, D. and Berry, J.W., 2017. Acculturation preferences, ethnic and religious identification and the socio-economic adaptation of Russian-speaking immigrants in Belgium. Journal of Intercultural Communication Research, 46(6), pp.537-557. https://www.researchgate.net/profile/Dmitry-Grigoryev-2/publication/320356133_Acculturation_Preferences_Ethnic_and_Religious_Identification_and_the_Socio-Economic_Adaptation_of_Russian-Speaking_Immigrants_in_Belgium/links/5c94a25ba6fdccd46031875d/Acculturation-Preferences-Ethnic-and-Religious-Identification-and-the-Socio-Economic-Adaptation-of-Russian-Speaking-Immigrants-in-Belgium.pdf
8. Kelly, L.M. and Cordeiro, M., 2020. Three principles of pragmatism for research on organizational processes. Methodological innovations, 13(2), p.2059799120937242. https://journals.sagepub.com/doi/pdf/10.1177/2059799120937242

9. Kim, M., Choi, S. and Lee, J., 2017. Economic system and financial literacy: Evidence from North Korean refugees. Emerging Markets Finance and Trade, 53(11), pp.2505-2527. https://www.researchgate.net/profile/Minjung-Kim-36/publication/319867036_Economic_System_and_Financial_Literacy_Evidence_from_North_Korean_Refugees/links/6201cc9694af0a47fffa8c02/Economic-System-and-Financial-Literacy-Evidence-from-North-Korean-Refugees.pdf
10. Klapper, L. and Lusardi, A., 2020. Financial literacy and financial resilience: Evidence from around the world. Financial Management, 49(3), pp.589-614. https://www.academia.edu/download/121480121/fima.1228320250221-1-ce7b90.pdf
11. Kluchnyk, L. and Davymuka, S., 2020. Savings and migration capital of households: world experience and domestic realities. Economic and Regional Studies (Studia Ekonomiczne i Regionalne), 13(3), pp.342-354. https://ageconsearch.umn.edu/record/307274/files/06-seir-t13-nr3-2020%20Kluchnyk_Davymuka.pdf
12. Kuzior, A., Liakisheva, A., Denysiuk, I., Oliinyk, H. and Honchar, L., 2020. Social risks of international labour migration in the context of global challenges. Journal of Risk and Financial Management, 13(9), p.197. https://www.mdpi.com/1911-8074/13/9/197
13. Latonero, M., Hiatt, K., Napolitano, A., Clericetti, G. and Penagos, M., 2019. Digital identity in the migration & refugee context. Data & Society, 4. https://www.datasociety.net/wp-content/uploads/2019/04/DataSociety_DigitalIdentity.pdf
14. Na, S., Ryder, A.G. and Kirmayer, L.J., 2016. Toward a culturally responsive model of mental health literacy: Facilitating help-seeking among East Asian immigrants to North America. American Journal of Community Psychology, 58(1-2), pp.211-225. https://www.academia.edu/download/48676921/2016_AJCP_MHL_Final_.pdf
15. Ncube, A., Bahta, Y.T. and Jordaan, A.J., 2020. Job market perceptions of African migrant women in South Africa as an initial and long-term coping and adaptation mechanism. Journal of International Migration and Integration, 21(4), pp.1165-1185. https://www.researchgate.net/profile/Alice-Ncube/publication/335752403_Job_Market_Perceptions_of_African_Migrant_Women_in_South_Africa_as_an_Initial_and_Long-Term_Coping_and_Adaptation_Mechanism/links/5e20282c299bf1e1fab50225/Job-Market-Perceptions-of-African-Migrant-Women-in-South-Africa-as-an-Initial-and-Long-Term-Coping-and-Adaptation-Mechanism.pdf
16. Noja, G.G., Cristea, S.M., Yüksel, A., Pânzaru, C. and Drăcea, R.M., 2018. Migrants' role in enhancing the economic development of host countries: Empirical evidence from Europe. Sustainability, 10(3), p.894. https://www.mdpi.com/2071-1050/10/3/894
17. Savazzi, V., Solano, G. and Xhani, A., 2020. Financial inclusion of migrant entrepreneurs: barriers, challenges and support measures. Report on immigration and entrepreneurship 2019, pp.290-299. http://newcomer-entrepreneurship.org/wp-content/uploads/2020/12/MEGA_Handbook_2_final.pdf
18. Savazzi, V., Solano, G. and Xhani, A., 2020. Financial inclusion of migrant entrepreneurs: barriers, challenges and support measures. Report on immigration and entrepreneurship 2019, pp.290-299. http://newcomer-entrepreneurship.org/wp-content/uploads/2020/12/MEGA_Handbook_2_final.pdf
19. Shah, A. and Lerche, J., 2020. Migration and the invisible economies of care: Production, social reproduction and seasonal migrant labour in India. Transactions of the Institute of British Geographers, 45(4), pp.719-734. https://rgs-ibg.onlinelibrary.wiley.com/doi/pdf/10.1111/tran.12401
20. Upreti, B.R. and Shrestha, G., 2016. Linking migration, mobility, and development for strengthening adaptation to climate and disaster Risks: Reflections from Nepal. In Identifying emerging issues in disaster risk reduction, migration, climate change and sustainable development: Shaping debates and policies (pp. 145-160). Cham: Springer International Publishing. https://www.researchgate.net/profile/Gitta-Shrestha/publication/307435375_Linking_Migration_Mobility_and_Development_for_Strengthening_Adaptation_to_Climate_and_Disaster_Risks_Reflections_from_Nepal/links/5a0409be4585151f47901d41/Linking-Migration-Mobility-and-Development-for-Strengthening-Adaptation-to-Climate-and-Disaster-Risks-Reflections-from-Nepal.pdf#page=160
21. Varpio, L., Paradis, E., Uijtdehaage, S. and Young, M., 2020. The distinctions between theory, theoretical framework, and conceptual framework. Academic medicine, 95(7), pp.989-994. https://m2.teluq.ca/pluginfile.php/556067/mod_folder/content/0/Module%202/Section%202/Varpio-et-al-Conceptual-frmk-AcadMed-2020.pdf
22. Wuttaphan, N., 2017. Human capital theory: The theory of human resource development, implications, and future. Life Sciences and Environment Journal, 18(2), pp.240-253. https://ph01.tci-thaijo.org/index.php/psru/article/download/76477/78879
23. Xiao, J.J., 2020. Financial literacy in Asia: A scoping review. Available at SSRN 3743345. https://papers.ssrn.com/sol3/Delivery.cfm?abstractid=3743345