

**The Florida Senate**  
**BILL ANALYSIS AND FISCAL IMPACT STATEMENT**

(This document is based on the provisions contained in the legislation as of the latest date listed below.)

Prepared By: The Professional Staff of the Committee on Appropriations

BILL: CS/CS/SB 732

INTRODUCER: Appropriations Committee; Health Policy Committee; and Senator Grimsley

SUBJECT: Pharmacy

DATE: April 25, 2013

REVISED: \_\_\_\_\_

	ANALYST	STAFF DIRECTOR	REFERENCE	ACTION
1.	<u>Davlantes</u>	<u>Stovall</u>	<u>HP</u>	<b>Fav/CS</b>
2.	<u>Brown</u>	<u>Pigott</u>	<u>AHS</u>	<b>Favorable</b>
3.	<u>Brown</u>	<u>Hansen</u>	<u>AP</u>	<b>Fav/CS</b>
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____

**Please see Section VIII. for Additional Information:**

- |                              |                                     |   |
|------------------------------|-------------------------------------|---|
| A. COMMITTEE SUBSTITUTE..... | <input checked="" type="checkbox"/> | Statement of Substantial Changes        |
| B. AMENDMENTS.....           | <input type="checkbox"/>            | Technical amendments were recommended   |
|                              | <input type="checkbox"/>            | Amendments were recommended             |
|                              | <input type="checkbox"/>            | Significant amendments were recommended |

**I. Summary:**

CS/CS/SB 732 requires a Class II institutional pharmacy to add biological products, biosimilars, and biosimilar interchangeables to its institutional formulary system.

Under the bill, pharmacists may provide biosimilar products to patients in place of biologics if:

- The federal Food and Drug Administration (FDA) has determined that the substitute biological product is biosimilar to and interchangeable for the prescribed biological product;
- The prescriber does not express any preference against such a substitution;
- The person presenting the prescription is notified of the substitution in a manner consistent with s. 465.025(3), F.S.; and
- The pharmacist retains a record of the substitution for at least two years.

The bill is estimated to have no immediate fiscal impact while representing an indeterminate amount of possible cost savings in out-years.

A pharmacist who practices in a Class II or modified Class II institutional pharmacy must comply with the reporting provisions by entering the substitution into the institution's medical

record system. The bill also requires the Board of Pharmacy to maintain on its public website a list of biological products that the FDA has determined to be biosimilar and interchangeable.

The bill amends section 465.019, Florida Statutes.

The bill creates section 465.0252, Florida Statutes.

## II. Present Situation:

### “Brand Name” Chemical Drugs and Generic Chemical Drugs

A “brand name” chemical drug is manufactured with simple chemical ingredients that have uniform, predictable structures which are easy to characterize and replicate. The potency of a “brand name” chemical drug is determined by a defined chemical process. A generic chemical drug has the identical active substance and biological effect as its “brand name” counterpart. A generic chemical drug differs from a “brand name” chemical drug by inactive ingredients contained in the chemical structure and the rate and extent of absorption by the human body.

The federal Food, Drug and Cosmetic Act, as amended by the Drug Price Competition and Patent Term Restoration Act of 1984 (the Hatch-Waxman Act), established the Abbreviated New Drug Application process, creating a pathway for approval of generic medications, primarily for chemical drugs.<sup>1</sup> Since 1984, the FDA has approved more than 8,000 generic drugs, resulting in hundreds of billions of dollars in cost savings to consumers.<sup>2</sup> In 2009, almost 75 percent of pharmaceutical prescriptions dispensed in the U.S. were generic medications.<sup>3</sup>

### Biological Products and Biosimilar Biological Products

A biological product (biologic), in contrast to a chemical drug, is a large and complex protein, generally produced using a living system or organism.<sup>4</sup> It is heterogeneous and difficult to characterize. The effectiveness of a biologic is expressed in a biological system, meaning the biologic interacts with the human body, or an animal’s body, to produce the desired effect. A biologic can be manufactured through a biotechnological process, derived from natural sources, or completely synthesized in a laboratory setting.<sup>5</sup>

A biosimilar biological product (biosimilar) has a similar, but not identical, active substance to another biologic. The biological activity of a biosimilar may vary as compared to another

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<sup>1</sup> The Federal Food, Drug and Cosmetic Act, s. 505(b)(2); 21 U.S.C. 355(b)(2).

<sup>2</sup> U.S. Dept. of Health and Human Services, Food and Drug Administration, Regulatory Information, *Fact Sheet: New “Biosimilars” User Fees Will Enhance Americans’ Access to Alternatives to Biologic Drugs*, July 16, 2012, available at [www.fda.gov/RegulatoryInformation/Legislation/FederalFoodDrugandCosmeticActFDCAct/SignificantAmendmentstotheFDCAct/FDASIA/ucm311121.htm](http://www.fda.gov/RegulatoryInformation/Legislation/FederalFoodDrugandCosmeticActFDCAct/SignificantAmendmentstotheFDCAct/FDASIA/ucm311121.htm). (last viewed on February 14, 2013).

<sup>3</sup> Kozlowski, S., Woodcock, J., et al., *Developing the Nation’s Biosimilar Program*, N Engl J Med 365:5, 385 (August 4, 2011).

<sup>4</sup> U.S. Dept. of Health and Human Services, Food and Drug Administration, Sherman, M.D., Rachel, *Biosimilar Biological Products-Biosimilar Guidance Webinar*, February 15, 2012, slide 3, available at [www.fda.gov/downloads/Drugs/DevelopmentApprovalProcess/HowDrugsareDevelopedandApproved/ApprovalApplications/TherapeuticBiologicApplications/Biosimilars/ucm292463.pdf](http://www.fda.gov/downloads/Drugs/DevelopmentApprovalProcess/HowDrugsareDevelopedandApproved/ApprovalApplications/TherapeuticBiologicApplications/Biosimilars/ucm292463.pdf).

<sup>5</sup> Id.

biologic. Because of the variable nature of a biosimilar, it is critical to identify the differences and determine which differences matter clinically. The determination of clinically meaningful differences between a biologic and its biosimilar can be exhibited through animal studies that measure toxicity, clinical studies on humans, and other scientifically accepted metrics.

In 2011, roughly 25 percent of the \$320 billion spent on pharmaceuticals in the U.S., was spent on biologics.<sup>6</sup> Each year, patients in the U.S. receive over 200 million vaccinations, 29 million transfusions of blood and blood components, and 1.6 million transplants of musculoskeletal tissue, all of which require the use of biologics.<sup>7</sup>

There is no existing market for biosimilars currently in the U.S.<sup>8</sup> Twelve biologics with global sales exceeding \$67 billion will lose patent protection by 2020 and will be open to biosimilar competition.<sup>9</sup> By 2015, sales of biosimilars worldwide are expected to range between \$1.9 billion and \$2.6 billion, up from \$378 million in the first half of 2011.<sup>10</sup> The U.S. is forecast to be the largest potential market for biosimilar sales by 2020, with a market value between \$11 billion and \$25 billion, representing a 4 percent to 10 percent share of the total biologics market.<sup>11</sup> Biosimilars are forecast to represent up to 50 percent of the off-patent biological market by 2020, with an assumed price discount between 20 percent and 30 percent when compared to biologics.<sup>12</sup>

The U.S. Federal Trade Commission predicts that the availability of biosimilars will significantly reduce the cost of biologics and increase their accessibility.<sup>13</sup>

### **The Biologics Price Competition and Innovation Act of 2010**

The Biologics Price Competition and Innovation Act (BPCIA) was enacted as part of the Patient Protection and Affordable Care Act on March 23, 2010.<sup>14</sup> The BPCIA amends the Public Health Service Act and other statutes to create an abbreviated licensure pathway for biologics demonstrated to be biosimilar to or interchangeable with a reference biologic.<sup>15</sup> The BPCIA

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<sup>6</sup> IMS Health, *Top Therapeutic Classes by U.S. Spending-2011*, available at [www.imshealth.com/deployedfiles/ims/Global/Content/Corporate/Press%20Room/Top\\_Therapy\\_Classes\\_by\\_Sales\[1\].pdf](http://www.imshealth.com/deployedfiles/ims/Global/Content/Corporate/Press%20Room/Top_Therapy_Classes_by_Sales[1].pdf).

<sup>7</sup> U.S. Dept. of Health and Human Services, Food and Drug Administration, *About FDA*, available at [www.fda.gov/AboutFDA/CentersOffices/ucm193951.htm](http://www.fda.gov/AboutFDA/CentersOffices/ucm193951.htm). (last viewed on Feb. 13, 2013).

<sup>8</sup> One product exists in the U.S. that may meet the current definition of “biosimilar” contained in the BPCIA. Omnitrope, a form of synthetic human growth hormone used to treat long-term growth failure in children and adult onset growth deficiency, and manufactured by Sandoz, was approved for sale in the U.S. under a special ruling from FDA in 2007.

<sup>9</sup> Genetics and Biosimilar Initiative, *US\$67 billion worth of biosimilar patents expiring before 2020*, June 29, 2012 (on file with the Health Quality subcommittee staff).

<sup>10</sup> IMS Health, *Shaping the biosimilars opportunity: A global perspective on the evolving biosimilars landscape*, December 2011, page 1, available at

[www.imshealth.com/deployedfiles/ims/Global/Content/Insights/IMS%20Institute%20for%20Healthcare%20Informatics/Documents/Biosimilars\\_White\\_Paper.pdf](http://www.imshealth.com/deployedfiles/ims/Global/Content/Insights/IMS%20Institute%20for%20Healthcare%20Informatics/Documents/Biosimilars_White_Paper.pdf).

<sup>11</sup> Id. at pages 3 and 6.

<sup>12</sup> Id. at page 6.

<sup>13</sup> U.S. Federal Trade Commission, *Emerging health care issues: follow-on biologic drug competition*, 2009, available at [www.ftc.gov/os/2009/06/P083901biologicsreport.pdf](http://www.ftc.gov/os/2009/06/P083901biologicsreport.pdf).

<sup>14</sup> PPACA (Pub. L. 111-148), title VII, subtitle A, §§7001 to 7003.

<sup>15</sup> A reference product is an existing biological product against which another biological product is compared to determine biosimilarity and interchangeability.

establishes the requirements for an application for a proposed biosimilar and an application for a proposed interchangeable product.<sup>16</sup>

The application must include information demonstrating biosimilarity, based on data derived in part from “analytical studies that demonstrate that the biological product is highly similar to the reference product notwithstanding minor differences in clinically inactive components;”<sup>17</sup> animal studies that include an assessment of toxicity;<sup>18</sup> and a clinical study or studies sufficient to establish safety, purity, and potency of the biosimilar.<sup>19</sup> Biosimilarity means that a biologic is highly similar to the reference biologic, even when considering the differences in clinically inactive components, and that there are no clinically meaningful differences between the biologic and the reference biologic in terms of safety, purity, and potency.<sup>20</sup>

The FDA will use a totality-of-the evidence approach in reviewing biosimilar applications, meaning all available data submitted in support of biosimilarity and the proposed biosimilar will be evaluated before a determination is made regarding biosimilarity and interchangeability.<sup>21</sup> To meet the standard of interchangeability, an applicant must provide sufficient information to demonstrate biosimilarity and also demonstrate that the biologic can be expected to produce the same clinical result as the reference product in any given patient. In addition, an applicant must demonstrate that, if the biologic is administered more than once to an individual, the risk in terms of safety or diminished efficacy of alternating or switching between the use of the biosimilar and the reference product is not greater than the risk of using the reference product without an alternation or switch in products.<sup>22</sup>

### **Pending FDA Rules on Biosimilars and Interchangeability**

On February 9, 2012, the FDA issued three draft guidance documents regarding biosimilars and interchangeability. The documents, referenced as *Guidance for Industry*, answered questions regarding implementation of the BPCIA<sup>23</sup> and detailed scientific and quality considerations to be addressed in demonstrating biosimilarity.<sup>24</sup> The guidance documents have not yet been finalized by the FDA.

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<sup>16</sup> S. 351(k) of the PHS Act (42 U.S.C. 262(k)).

<sup>17</sup> 42 U.S.C. §262(k)(2)(A)(i)(I)(aa).

<sup>18</sup> 42 U.S.C. §262(k)(2)(A)(i)(I)(bb).

<sup>19</sup> 42 U.S.C. §262(k)(2)(A)(i)(I)(cc).

<sup>20</sup> 42 U.S.C. §262(i)(2).

<sup>21</sup> U.S. Dept. of Health and Human Services, Food and Drug Administration, *Biosimilars Fact Sheet: Issuance of Draft Guidances on Biosimilar Products*, available at

[www.fda.gov/Drugs/DevelopmentApprovalProcess/HowDrugsareDevelopedandApproved/ApprovalApplications/TherapeuticBiologicApplications/Biosimilars/ucm291197.htm](http://www.fda.gov/Drugs/DevelopmentApprovalProcess/HowDrugsareDevelopedandApproved/ApprovalApplications/TherapeuticBiologicApplications/Biosimilars/ucm291197.htm) .

<sup>22</sup> 42 U.S.C. §262(i)(3).

<sup>23</sup> U.S. Dept. of Health and Human Services, Food and Drug Administration, Center for Drug Evaluation and Research and Center for Biologics Evaluation and Research, *Guidance for Industry, Biosimilars: Questions and Answers Regarding Implementation of the Biologics Price Competition and Innovation Act of 2009*, February 2012, available at [www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm259797.htm](http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm259797.htm). (last viewed on February 15, 2013).

<sup>24</sup> U.S. Dept. of Health and Human Services, Food and Drug Administration, Center for Drug Evaluation and Research and Center for Biologics Evaluation and Research, *Guidance for Industry, Scientific Considerations in Demonstrating Biosimilarity to a Reference Product* and *Guidance for Industry, Quality Considerations in Demonstrating Biosimilarity to a Reference Protein Product*, February 2012, both documents available at

The Federal Food, Drug, and Cosmetic Act, as amended by the Biosimilar User Fee Act of 2012 (BsUFA), authorizes the FDA to assess and collect fees for biosimilars from October 2012 through September 2017.<sup>25</sup> The FDA dedicates these fees to expediting the review process for approval of biosimilars. The FDA has determined that biosimilars represent an important public health benefit, with the potential to offer life-saving or life-altering benefits at reduced cost to the patient. According to the FDA, BsUFA facilitates the development of safe and effective biosimilars for the American public.<sup>26</sup>

The FDA is currently meeting with sponsors of proposed biosimilars, having received 50 requests for meetings and fulfilling 37 of those requests.<sup>27</sup> In addition, the FDA has approved 14 Investigative New Drug applications (INDs) for clinical development of proposed biosimilars.<sup>28</sup> The FDA has also noted it is engaged in active discussions with many sponsors at the pre-IND stage, indicating further clinical development of biosimilars in the near future.<sup>29</sup> The FDA does not expect to diverge greatly from the policies established by the European Medicines Agency for approval of biosimilars for sale in the European Union and other specific countries.<sup>30</sup>

### **Biosimilars in Europe**

The European Medicines Agency (EMA) is a decentralized agency of the European Union (EU), located in London, England. It is the scientific body of the European Commission (EC).<sup>31</sup> The EMA's primary responsibility is the "protection and promotion of public and animal health through the evaluation and supervision of medicines for human and veterinary use."<sup>32</sup>

The EMA is responsible for the scientific evaluation of applications for EU marketing authorizations for human and veterinary medicines governed by the "centralised procedure."<sup>33</sup> Under the "centralised procedure," pharmaceutical companies submit a single marketing-authorization application to the EMA.<sup>34</sup> Medicines are then approved by the EC based on the positive scientific opinion of the EMA and its expert committee, the Committee on Human

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[www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm290967.htm](http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm290967.htm). (last viewed on February 15, 2013).

<sup>25</sup> Biosimilar User Fee Act of 2012, Pub. L. 112-144, title IV, ss. 401-408 (21 U.S.C. 379j-51 through 53).

<sup>26</sup> U.S. Dept. of Health and Human Services, Food and Drug Administration, *For Industry: Biosimilar User Fee Act (BsUFA)*, available at [www.fda.gov/ForIndustry/UserFees/BiosimilarUserFeeActBsUFA/default.htm](http://www.fda.gov/ForIndustry/UserFees/BiosimilarUserFeeActBsUFA/default.htm). (last viewed on February 16, 2013).

<sup>27</sup> Comments of Dr. Janet Woodcock, Director, Center for Drug Evaluation and Research, Food and Drug Administration, at Bloomberg State of Health Care 2013 Summit, February 11, 2013 (video available at [www.bloomberg.com/video/fda-sees-more-breakthrough-drugs-woodcock-says--Obd9FUMQ7qWka0CfYq3dg.html](http://www.bloomberg.com/video/fda-sees-more-breakthrough-drugs-woodcock-says--Obd9FUMQ7qWka0CfYq3dg.html)) (last viewed on February 15, 2013).

<sup>28</sup> Id.

<sup>29</sup> Id.

<sup>30</sup> Id.

<sup>31</sup> European Generic Medicines Association, *EGA FACT SHEET on generic medicines, FAQs about Biosimilar Medicines*, July 2011, available at [www.egagenerics.com/index.php/biosimilar-medicines/faq-on-biosimilars](http://www.egagenerics.com/index.php/biosimilar-medicines/faq-on-biosimilars). (last viewed on February 15, 2013).

<sup>32</sup> European Medicines Agency, *What we do*, available at [http://www.ema.europa.eu/ema/index.jsp?curl=pages/about\\_us/general/general\\_content\\_000091.jsp&mid=WC0b01ac0580028a42](http://www.ema.europa.eu/ema/index.jsp?curl=pages/about_us/general/general_content_000091.jsp&mid=WC0b01ac0580028a42). (last viewed on February 15, 2013)

<sup>33</sup> Id.

<sup>34</sup> Id.

Medicinal Products.<sup>35</sup> Once granted by the EC, a centralized marketing authorization is valid in all EU Member States, as well as Iceland, Liechtenstein, and Norway.<sup>36</sup> By law, a company can only market a medicine once it has received a marketing authorization.<sup>37</sup>

The “centralised procedure” is mandatory for:

- Human medicines for the treatment of HIV/AIDS, cancer, diabetes, neurodegenerative diseases, auto-immune and other immune dysfunctions, and viral diseases;
- Veterinary medicines for use as growth or yield enhancers;
- Medicines derived from biotechnology processes, such as genetic engineering;
- Advanced-therapy medicines, such as gene-therapy, somatic cell-therapy, or tissue-engineered medicines; and
- Officially designated medicines used for rare human diseases.<sup>38</sup>

Biologics and biosimilars fall within the mandatory “centralised procedure” for approval and marketing within the EU and other specified European countries.

In 2003, the EMA created a new pathway for approving biosimilar medicines.<sup>39</sup> The central feature of the evaluation process is the comparison of the biosimilar with its reference product to show that there are no significant differences between them.<sup>40</sup> The EMA further explains the evaluation process to determine biosimilarity, which is very similar to the proposed pathway process in the U.S.:

The relevant regulatory authority applies stringent criteria in their evaluation of the studies comparing the quality, safety and effectiveness of the two medicines. The studies on quality include comprehensive comparisons of the structure and biological activity of their active substances, while the studies on safety and effectiveness should show that there are no significant differences in their benefits and risks, including the risk of immune reactions.

One critical difference between the approval process established by the EMA and the proposed pathway outlined by the FDA is that the EMA does not make recommendations on whether a biosimilar can be used interchangeably with its reference product.<sup>41</sup> The FDA will determine interchangeability, which in turn will determine whether a biosimilar can be substituted for a prescription biologic by a pharmacist.

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<sup>35</sup> See *supra*, FN 23.

<sup>36</sup> Id.

<sup>37</sup> Id.

<sup>38</sup> European Medicines Agency, *Central authorization of medicines*, available at [http://www.ema.europa.eu/ema/index.jsp?curl=pages/about\\_us/general/general\\_content\\_000109.jsp&mid=WC0b01ac0580028a47](http://www.ema.europa.eu/ema/index.jsp?curl=pages/about_us/general/general_content_000109.jsp&mid=WC0b01ac0580028a47). (last viewed on February 15, 2013).

<sup>39</sup> European Medicines Agency, *Questions and answers on biosimilar medicines (similar biological medicinal products)*, available at [www.ema.europa.eu/docs/en\\_GB/document\\_library/Medicine\\_QA/2009/12/WC500020062.pdf](http://www.ema.europa.eu/docs/en_GB/document_library/Medicine_QA/2009/12/WC500020062.pdf). (last viewed on February 15, 2013).

<sup>40</sup> See *supra*, FN 38.

<sup>41</sup> See *supra*, FN 39.

The EMA published general guidelines on biosimilars in 2005 and approved its first biosimilar in 2006.<sup>42</sup> As of February 2012, the EMA had approved 14 biosimilar products,<sup>43</sup> with reference products including filgrastim,<sup>44</sup> epoetin,<sup>45</sup> and somatropin.<sup>46</sup>

### **Institutional Pharmacy**

Florida law requires any institution, such as a hospital, seeking to operate a pharmacy to obtain a permit from the Department of Health (DOH).<sup>47</sup> The DOH has established three classes of permit for institutional pharmacies:

- Class I:<sup>48</sup> All medicinal drugs are administered from individual prescription containers to individual patients. Medicinal drugs are not dispensed on premises. An exception is noted to allow licensed nursing homes to purchase and administer oxygen to residents.
- Class II:<sup>49</sup> The pharmacy employs a licensed pharmacist to dispense medication to patients in the institution for use on the premises. Class II institutional pharmacies are most often located in hospitals.
- Modified Class II:<sup>50</sup> The pharmacy is located in a short-term, primary care treatment center which meets all the requirements for a Class II permit. Modified Class II pharmacies are classified according to the type of pharmaceutical delivery system, either a patient-specific or bulk drug system, as Type A, Type B, and Type C.<sup>51</sup>

Medicinal drugs can only be dispensed from an institutional pharmacy with a community pharmacy permit from DOH.<sup>52</sup> In a Class II institutional pharmacy, medical staff of the institution may approve a formulary system that identifies medicinal drugs and proprietary preparations that may be dispensed by the institutional pharmacist.<sup>53</sup> Any facility with a Class II institutional pharmacy permit must develop policies and procedures regarding the formulary that are consistent with established standards by the American Hospital Association and the American Society of Hospital Pharmacists.<sup>54</sup>

### **Pharmacist Substitution in Florida**

In general, a pharmacist in Florida is required to substitute a less expensive generic medication for a prescribed brand name medication.<sup>55</sup> The presenter of the prescription may specifically

<sup>42</sup> European Medicines Agency, *Guideline on similar biological medicinal products*, 2005, available at [www.emea.europa.eu/pdfs/human/biosimilar/043704en.pdf](http://www.emea.europa.eu/pdfs/human/biosimilar/043704en.pdf).

<sup>43</sup> See *supra*, FN 4 at slide 23.

<sup>44</sup> A white blood cell booster used to reduce infection risks in persons receiving strong chemotherapy treatment.

<sup>45</sup> Also known as EPO, it treats anemia caused by chronic kidney disease in dialysis patients by promoting red blood cell production.

<sup>46</sup> Synthetic human growth hormone (hGH).

<sup>47</sup> S. 465.019(1), F.S.

<sup>48</sup> S. 465.019(2)(a), F.S.

<sup>49</sup> S. 465.019(2)(b), F.S.

<sup>50</sup> S. 465.019(2)(c), F.S.

<sup>51</sup> Rule 64B-16-28.702(2)(b)-(d), F.A.C.

<sup>52</sup> S. 465.019(4), F.S.; see also s. 465.018, F.S., regarding community pharmacy permits.

<sup>53</sup> S. 465.019(6), F.S.

<sup>54</sup> *Id.*

<sup>55</sup> S. 465.025(2), F.S.

request the brand name medication.<sup>56</sup> Also, the prescriber may prevent substitution by indicating the brand name medication is “medically necessary” in writing, orally, or, in the case of an electronic transmission of the prescription, by making an overt act to indicate the brand name medication is “medically necessary.”<sup>57</sup> The pharmacist must inform the presenter of the prescription that a substitution has been made, advise the presenter that he or she may refuse the substitution and request the brand name medication, and pass on to the consumer the full amount of any savings realized by the substitution.<sup>58</sup>

Each pharmacy is required to establish a formulary of brand name medications and generic medications which, if selected as the drug product of choice, pose no threat to patient health and safety.<sup>59</sup> The Board of Pharmacy and the Board of Medicine are required to establish a formulary which lists brand name medications and generic medications that are determined to be clinically different so as to be biologically and therapeutically inequivalent.<sup>60</sup> Substitution of the drugs included in this formulary would pose a threat to patient health and safety.<sup>61</sup> The boards are required to distribute the formulary to licensed and registered pharmacies and pharmacists.<sup>62</sup> Each board that regulates practitioners licensed by the state to prescribe medications must incorporate the formulary into its rules.<sup>63</sup> No pharmacist may substitute a generic medication for a brand name medication if either medication is included in the formulary.<sup>64</sup>

There is no provision in Florida law regarding substitution for biosimilars.

### III. Effect of Proposed Changes:

**Section 1** amends s. 465.019, F.S., to authorize a Class II institutional pharmacy to add biological products, biosimilars, and biosimilar interchangeables to its institutional formulary system.

**Section 2** creates s. 465.0252, F.S., relating to substitution of biosimilar products. The bill provides definitions for “biological product,” “biosimilar, and “interchangeable” consistent with how these terms are defined in the federal Public Health Service Act.<sup>65</sup> The bill offers guidelines for when pharmacists may substitute a biosimilar product for a prescribed biologic. This substitution may occur if:

<sup>56</sup> Id.

<sup>57</sup> Id.

<sup>58</sup> S. 465.025(3)(a), F.S.; *see also* Rule 64B-16-27.530, F.A.C.

<sup>59</sup> S. 465.025(5), F.S.; *see also* Rule 64B-16.27.520, F.A.C.

<sup>60</sup> S. 465.025(6), F.S.; *see also* Rule 64B-16.27.500, F.A.C.

<sup>61</sup> Id.

<sup>62</sup> S. 465.025(6)(b), F.S.

<sup>63</sup> Id.

<sup>64</sup> Id.

<sup>65</sup> 42 U.S.C. s. 262. In this section, “biological product” means a virus, therapeutic serum, toxin, antitoxin, vaccine, blood, blood component or derivative, allergenic product, protein (except any chemically synthesized polypeptide), or analogous product, or arsphenamine or derivative of arsphenamine (or any other trivalent organic arsenic compound), applicable to the prevention, treatment, or cure of a disease or condition of human beings. “Biosimilar” means that the biological product is highly similar to the reference product notwithstanding minor differences in chemically inactive components and there are no clinically meaningful differences between the biological product and the reference product in terms of the safety, purity, and potency of the product. “Interchangeable” means that the biological product may be substituted for the reference product without the intervention of the health care provider who prescribed the reference product.

- The FDA has determined that the substitute biological product is biosimilar to and interchangeable for the prescribed biological product;
- The prescriber does not express any preference against such a substitution;
- The pharmacist notifies the person presenting the prescription of the substitution in a manner consistent with s. 465.025(3), F.S; and
- The pharmacist retains a written or electronic record of the substitution for at least two years.

A pharmacist who practices in a Class II or modified Class II institutional pharmacy must comply with the notification provisions by entering the substitution into the institution's medical record system. The bill also requires the Board of Pharmacy to maintain on its public website a list of biological products that the FDA has determined to be biosimilar and interchangeable.

**Section 3** provides an effective date of July 1, 2013.

#### **IV. Constitutional Issues:**

A. Municipality/County Mandates Restrictions:

None.

B. Public Records/Open Meetings Issues:

None.

C. Trust Funds Restrictions:

None.

#### **V. Fiscal Impact Statement:**

A. Tax/Fee Issues:

None.

B. Private Sector Impact:

The bill provides a pathway to establish a broader market for biosimilars in Florida through interchangeability with biologics. Once the FDA approves a biosimilar, it may be prescribed in Florida without intervention from the Legislature if the prescriber writes specifically for that biosimilar. However, this bill allows a biosimilar which the FDA approves to be interchangeable with a biologic to be lawfully substituted for a prescribed biologic. Patients will have the opportunity to use biosimilars in place of biologic products, potentially at a reduced cost.

C. Government Sector Impact:

While a biosimilar market does not currently exist in the U.S., it is anticipated that once biosimilars are approved by the FDA and deemed interchangeable with prescription

biologics, Medicaid and the state group insurance program may realize cost savings due to substitution of less expensive biosimilars for prescription biologics. The estimate of cost savings is indeterminate.

**VI. Technical Deficiencies:**

None.

**VII. Related Issues:**

The FDA has yet to approve any biosimilars. Under the bill, the state will pass legislation allowing biosimilars to be interchanged with biologics when such biosimilars do not exist.

**VIII. Additional Information:**

- A. **Committee Substitute – Statement of Substantial Changes:**  
(Summarizing differences between the Committee Substitute and the prior version of the bill.)

**CS/CS by Appropriations on April 23, 2013:**

The CS removes from the bill requirements for pharmacists to notify prescribers of substitutions and for prescribers to retain records of substitutions.

**CS by Health Policy on April 2, 2013:**

The CS authorizes a Class II institutional pharmacy to add biological products, biosimilars, and biosimilar interchangeables to its institutional formulary system. It provides definitions for “biological product,” “biosimilar,” and “interchangeable” consistent with how these terms are defined in the federal Public Health Service Act and deletes the requirement that pharmacists verify that a substituted biological product is biosimilar with the prescribed product *for the specified, indicated use*. The bill reduces the time a pharmacist has to notify a prescribing practitioner of a substitution and the time a pharmacist and a practitioner must retain a record of such substitution to five days and two years, respectively.

The bill permits pharmacists at Class II or modified Class II pharmacies to fulfill reporting requirements by entering the substitution into the institution’s medical record system. The bill also requires the Board of Pharmacy to maintain on its public website a list of biological products that the FDA has determined to be biosimilar and interchangeable.

- B. **Amendments:**

None.