### **SENATE AMENDMENTS**

### 2<sup>nd</sup> Printing

By: Lucio III H.B. No. 1669

### A BILL TO BE ENTITLED

1	AN ACT
2	relating to a comprehensive plan for increasing and improving the
3	workforce in this state that serves persons with mental health and
4	substance use issues.
5	BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF TEXAS:
6	SECTION 1. Subchapter B, Chapter 531, Government Code, is
7	amended by adding Section 531.02253 to read as follows:
8	Sec. 531.02253. COMPREHENSIVE WORKFORCE PLAN FOR MENTAL
9	HEALTH AND SUBSTANCE USE. (a) The commission shall develop and
10	implement a comprehensive plan to increase and improve the
11	workforce in this state to serve persons with mental health and
12	substance use issues. In developing the plan, the commission shall
13	analyze and consider available studies, reports, and
14	recommendations regarding that segment of the workforce in this
15	state or elsewhere.
16	(b) The plan must include:
17	(1) a strategy and timeline for implementing the plan,
18	including short-term, medium-term, and long-term goals;
19	(2) a system for monitoring the implementation of the
20	plan; and
21	(3) a method for evaluating the outcomes of the plan.
22	SECTION 2. Not later than September 1, 2020, the Health and
23	Human Services Commission shall develop and begin implementing the
24	plan required under Section 531.02253, Government Code, as added by

H.B. No. 1669

- 1 this Act.
- 2 SECTION 3. This Act takes effect September 1, 2019.



By: Lucio III/Lucio	B.	No
Substitute the following forB. No:	•	
Substitute the following forB. No:  By:	с.s. <u><b>H</b></u> .в.	No. 1669

	A BILL TO BE ENTITLED		
1	AN ACT		
2	relating to increasing and improving the mental health and		
3	substance use disorder workforce in this state and increasing the		
4	capacity of local mental health authorities to provide access to		
5	mental health services in certain counties.		
6	BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF TEXAS:		
7	SECTION 1. Subchapter B, Chapter 531, Government Code, is		
8	amended by adding Sections 531.0221 and 531.02253 to read as		
9	follows:		
10	Sec. 531.0221. INITIATIVE TO INCREASE MENTAL HEALTH		
11	SERVICES CAPACITY IN RURAL AREAS. (a) In this section, "local		
12	mental health authority group" means a group of local mental health		
13	authorities established under Subsection (b)(2).		
14	(b) Not later than January 1, 2020, the commission, using		
15	existing resources, shall:		
16	(1) identify each local mental health authority that		
17	is located in a county with a population of 250,000 or less or that		
18	the commission determines provides services predominantly in a		
19	county with a population of 250,000 or less;		
20	(2) in a manner that the commission determines will		
21	best achieve the reductions described by Subsection (d), assign the		
22	authorities identified under Subdivision (1) to regional groups of		
23	at least two authorities; and		

24

(3) notify each authority identified under

```
Subdivision (1):
                    (A) that the commission has identified the
 2
 3
   authority under that subdivision; and
                    (B) which local mental health authority group the
 4
   commission assigned the authority to under Subdivision (2).
 5
          (c) The commission, using existing resources, shall develop
 6
 7
    a mental health services development plan for each local mental
    health authority group that will increase the capacity of the
8
    authorities in the group to provide access to needed services.
 9
          (d) In developing a plan under Subsection (c), the
10
11
    commission shall focus on reducing:
               (1) the cost to local governments of providing
12
13
    services to persons experiencing a mental health crisis;
               (2) the transportation of persons served by an
14
    authority in the local mental health authority group to mental
15
    health facilities;
16
17
               (3) the incarceration of persons with mental illness
    in county jails that are located in an area served by an authority
18
19
    in the local mental health authority group; and
               (4) the number of hospital emergency room visits by
20
    persons with mental illness at hospitals located in an area served
21
    by an authority in the local mental health authority group.
22
```

access to needed services; and

23

24

25

26

27

authorities in the local mental health authority group to provide

(1) the commission shall assess the capacity of the

(2) the commission and the local mental health

(e) In developing a plan under Subsection (c):

```
authority group shall evaluate:
 1
 2
                    (A) whether and to what degree increasing the
 3
    capacity of the authorities in the local mental health authority
 4
    group to provide access to needed services would offset the cost to
 5
    state or local governmental entities of:
                          (i) the transportation of persons for
 6
 7
    mental health services to facilities that are not local providers;
 8
                          (ii) admissions to
                                                   and
                                                           inpatient
 9
    hospitalizations at state hospitals or other treatment facilities;
10
                          (iii) the provision of services by hospital
11
    emergency rooms to persons with mental illness who are served by or
    reside in an area served by an authority in the local mental health
12
13
    authority group; and
14
                          (iv) the incarceration in county jails of
15
   persons with mental illness who are served by or reside in an area
    served by an authority in the local mental health authority group;
16
17
                    (B) whether available state funds or grant
    funding sources could be used to fund the plan; and
18
19
                    (C) what measures would be necessary to ensure
20
    that the plan aligns with the statewide behavioral health strategic
21
   plan and the comprehensive inpatient mental health plan.
22
          (f) In each mental health services development plan
23
   produced under this section, the commission, in collaboration with
   the local mental health authority group, shall determine a method
24
25
   of increasing the capacity of the authorities in the local mental
26
   health authority group to provide access to needed services.
```

27

(g) The commission shall compile and evaluate each mental

```
1 health services development plan produced under this section and
```

- 2 determine:
- 3 (1) the cost-effectiveness of each plan; and
- 4 (2) how each plan would improve the delivery of mental
- 5 health treatment and care to residents in the service areas of the
- 6 authorities in the local mental health authority group.
- 7 (h) Not later than December 1, 2020, the commission, using
- 8 existing resources, shall produce and publish on its Internet
- 9 website a report containing:
- 10 (1) the commission's evaluation of each plan under
- 11 Subsection (g);
- 12 (2) each mental health services development plan
- 13 evaluated by the commission under Subsection (g); and
- 14 (3) a comprehensive statewide analysis of mental
- 15 health services in counties with a population of 250,000 or less,
- 16 including recommendations to the legislature for implementing the
- 17 plans developed under this section.
- (i) The commission and the authorities in each local mental
- 19 health authority group may implement a mental health services
- 20 development plan evaluated by the commission under this section if
- 21 the commission and the local mental health authority group to which
- 22 the plan applies identify a method of funding that implementation.
- 23 (j) This section expires September 1, 2021.
- Sec. 531.02253. COMPREHENSIVE WORKFORCE PLAN FOR MENTAL
- 25 <u>HEALTH AND SUBSTANCE USE</u>. (a) The statewide behavioral health
- 26 coordinating council, under the direction of the commission, shall
- 27 develop and the commission shall implement a comprehensive plan to

- 1 increase and improve the workforce in this state to serve persons
- 2 with mental health and substance use issues. In developing the
- 3 plan, the council shall analyze and consider available studies,
- 4 reports, and recommendations regarding that segment of the
- 5 workforce in this state or elsewhere.
- 6 (b) The plan must include:
- 7 (1) a strategy and timeline for implementing the plan,
- 8 including short-term, medium-term, and long-term goals;
- 9 (2) a system for monitoring the implementation of the
- 10 plan; and
- 11 (3) a method for evaluating the outcomes of the plan.
- SECTION 2. Not later than September 1, 2020, the statewide
- 13 behavioral health coordinating council shall develop and the Health
- 14 and Human Services Commission shall begin implementing the plan
- 15 required under Section 531.02253, Government Code, as added by this
- 16 Act.
- 17 SECTION 3. The statewide behavioral health coordinating
- 18 council and the Health and Human Services Commission are required
- 19 to implement a provision of this Act only if the legislature
- 20 appropriates money specifically for that purpose. If the
- 21 legislature does not appropriate money specifically for that
- 22 purpose, the council and the commission may, but are not required
- 23 to, implement the provision using other appropriations made to the
- 24 commission that are available for that purpose.
- 25 SECTION 4. This Act takes effect September 1, 2019.

### ADOPTED

FLOOR AMENDMENT NO.\_\_\_\_

MAY 2 2 2019

Letay Day

Lucio

1	Amend C.S.H.B. No. 1669 (senate committee report) by adding
2	the following appropriately numbered SECTIONS to the bill and
3	renumbering subsequent SECTIONS of the bill accordingly:
4	SECTION Subchapter A, Chapter 555, Health and Safety
5	Code, is amended by adding Section 555.004 to read as follows:
6	Sec. 555.004. ADDITIONAL METHODS TO PROTECT RIGHTS OF CENTER
7	RESIDENTS AND CLIENTS. In addition to other methods required by
8	law, rule, or policy to protect the rights of residents and
9	clients in centers, the executive commissioner shall:
10	(1) develop formal methods to more fully educate
11	executives, administrators, supervisors, and direct care employees
12	of centers and residents, clients, and guardians on:
13	(A) the rights of residents and clients;
14	(B) the health and medical obligations and
15	responsibilities and the legal obligations and responsibilities
16	toward residents and clients of executives, administrators, and
17	direct care employees of centers;
18	(C) the categories and types of specific needs and
19	complex behavioral challenges of various populations of residents
20	and clients that may require additional attention and specialized
21	training, including:
22	(i) alleged criminal offenders, including
23	sexual offenders;
24	(ii) residents and clients living with
25	dementia;
26	(iii) aging or geriatric residents and
27	clients; and
28	(iv) adolescent residents and clients;
29	(D) the circumstances under which a resident's or
	1 19.142.94 GCB

```
client's rights may be restricted, the circumstances under which
 1
 2
    a resident's or client's rights may not be restricted, and the
 3
    processes and procedures that must be followed to restrict a right;
 4
    and
 5
                   (E) the manner in which a person may file a
    complaint; and
 6
 7
              (2) specify processes and procedures, including the use
 8
    of flowcharts, that centers and direct care employees must use and
 9
    the specialized training direct care employees must receive to
10
    ensure that centers comply fully with laws, rules, and policies
11
    relating to:
12
                   (A) the rights of residents and clients;
13
                   (B) the circumstances under which a resident's or
    client's rights may be restricted, the circumstances under which
14
15
    a resident's or client's rights may not be restricted, and the
16
    processes and procedures that must be followed to restrict a right;
17
                   (C) the categories and types of specific needs and
18
    complex behavioral challenges of various populations of residents
19
    and clients that may require additional attention and specialized
20
    training, including:
21
                        (i) alleged criminal offenders, including
22
    sexual offenders;
23
                        (ii) residents and clients living with
24
    dementia;
25
                        (iii) aging or geriatric residents and
26
    clients; and
27
                        (iv) adolescent residents and clients; and
28
                   (D) the manner in which a person may file a
29
    complaint.
30
         SECTION . Section 555.024, Health and Safety Code, is
31
    amended by adding Subsections (d-1) and (f) to read as follows:
                                    2
```

19.142.94 GCB

```
1
         (d-1) In addition to the training provided to direct care
 2
    employees under Subsections (a), (c), and (d), each center shall
 3
    develop and implement additional initial and refresher specialized
 4
    training for all executives, administrators, supervisors, and
    direct care employees to support populations of residents and
 5
 6
    clients that may require additional attention and specialized
 7
    training, including:
              (1) alleged criminal offenders, including sexual
 8
 9
    offenders;
10
              (2) residents and clients living with dementia;
11
              (3)
                   aging or geriatric residents and clients; and
12
              (4) adolescent residents and clients.
13
         (f) The executive commissioner by rule shall develop
    standards for the training provided to executives, administrators,
14
15
    supervisors, and direct care employees under this section,
16
    including the length of the training and the manner in which the
    training is provided. In developing standards relating to the
17
18
    manner in which training is provided, the executive commissioner
    shall ensure that the training is competency-based and, to the
19
    extent possible, provided in an interactive manner such as on a
20
21
    one-on-one basis, by a group discussion, or by a demonstration.
22
         SECTION __. The executive commissioner of the Health and
23
    Human Services Commission shall comply with Section 555.004,
24
    Health and Safety Code, as added by this Act, as soon as possible
25
    after the effective date of this Act.
         SECTION ___. (a) Not later than January 1, 2020, each state
26
27
    supported living center shall develop and implement the additional
    training required by Section 555.024(d-1), Health and Safety Code,
28
    as added by this Act. Each state supported living center shall
29
30
    ensure that each direct care employee receives the additional
31
    training, regardless of when the employee was hired, not later
```

3

19.142.94 GCB

- 1 than September 1, 2020.
- 2 (b) Not later than January 1, 2020, the executive
- 3 commissioner of the Health and Human Services Commission shall
- 4 develop the training standards required by Section 555.024(f),
- 5 Health and Safety Code, as added by this Act. The executive
- 6 commissioner shall ensure that each state supported living center
- 7 implements the training standards as soon as possible.

floor amendment no. 2 ADI

V V AY 2 2 2019 B Lucio

Amend C.S.H.B. No. 1669 (senate committee printing) by adding

2 the following appropriately numbered SECTIONS to the bill and

- 3 renumbering the SECTIONS of the bill accordingly:
- 4 SECTION . Chapter 12, Health and Safety Code, is amended by
- 5 adding Subchapter K to read as follows:
- 6 SUBCHAPTER K. PUBLIC HEALTH LABORATORY CAPABILITIES IN CERTAIN
- 7 <u>COUNTIES</u>
- 8 Sec. 12.151. PUBLIC HEALTH LABORATORY REPORT. (a) Not later
- 9 than September 1, 2020, the department shall prepare and submit a
- 10 written or electronic report to the legislature on public
- 11 laboratories in this state's counties that are adjacent to an
- 12 international border. The report must include:
- 13 (1) information on the existing testing capabilities of
- 14 the public laboratories, focusing on clinical, environmental, and
- 15 zoonotic testing capabilities; and
- 16 (2) recommendations to increase the efficiency,
- 17 effectiveness, and productivity of the public laboratories through
- 18 administrative action and legislation.
- 19 (b) The department shall collaborate with local health
- 20 departments established under Subchapter D, Chapter 121, and
- 21 public and private testing laboratories to collect information and
- 22 <u>develop recommendations for the report described by Subsection</u>
- 23 <u>(a)</u>.
- (c) This section expires September 1, 2021.
- Sec. 12.152. LOCAL AGREEMENTS. Using available resources and
- 26 as determined appropriate by the department, the department shall
- 27 enter into agreements with institutions of higher education as
- defined by Section 61.003, Education Code, and public and private
- 29 testing laboratories in this state to increase the availability of

```
1
    public health laboratory services for local health departments
 2
    established under Subchapter D, Chapter 121, in counties adjacent
 3
    to an international border. The agreements must establish
 4
    protocols that:
 5
              (1) ensure confidentiality of the laboratory testing;
 6
              (2) require the testing procedures to satisfy state
 7
    standards for laboratory testing;
 8
              (3) provide cost-effective resources to the local health
    departments to increase the availability of laboratory testing in
 9
10
    the border counties;
11
              (4) enhance the laboratory testing capacity, including
12
    testing of human and nonhuman specimens, in the border counties;
13
    and
14
              (5) ensure the efficiency, effectiveness, and accuracy
15
    of laboratory test results.
16
         Sec. 12.153. YEAR-ROUND ACCESS TO LABORATORY TESTING FOR
17
    VECTOR-BORNE INFECTIOUS DISEASES. Using available resources and as
    determined appropriate by the department, the department shall
18
19
    support access to year-round laboratory testing for vector-borne
    infectious diseases to record and address local outbreaks of
20
21
    vector-borne infectious diseases in the counties of this state
22
    that are most at risk for the year-round outbreaks, including
23
    Maverick, Val Verde, Webb, Zapata, Starr, Hidalgo, Willacy, and
24
    Cameron Counties. The department may make the access directly
25
    available or through a local agreement entered into under Section
26
    12.152. The testing may include, as appropriate:
27
              (1) arboviral testing;
28
              (2) speciation testing;
29
              (3) PCR testing;
30
              (4) IgM testing;
31
              (5) IgG testing; and
```

2

1	(6) any other testing the department determines		
2	appropriate.		
3	SECTION Subtitle C, Title 2, Health and Safety Code, is		
4	amended by adding Chapter 65 to read as follows:		
5	CHAPTER 65. BORDER PUBLIC HEALTH INITIATIVE		
6	Sec. 65.0001. DEFINITIONS. In this chapter:		
7	(1) "Border county" means a county adjacent to this		
8.	state's international border with Mexico.		
9	(2) "Promotora" or "community health worker" has the		
10	meaning assigned by Section 48.001.		
11	Sec. 65.0002. BORDER PUBLIC HEALTH INITIATIVE. (a) The		
12	department shall develop an initiative to reduce the adverse health		
13	impacts of diabetes, hypertension, and obesity for adults and		
14	children in border counties. The initiative must promote:		
15	(1) educational resources designed to prevent those		
16	conditions;		
17	(2) screenings of persons at risk for those conditions;		
18	and		
19	(3) referrals to and treatment by health care providers		
20	for those conditions.		
21	(b) In developing the border public health initiative, the		
22	department may consult and collaborate with:		
23	(1) other health and human services agencies;		
24	(2) other appropriate state or federal agencies;		
25	(3) health science centers and medical schools; and		
26	(4) public and private health care providers and		
27	hospitals.		
28	Sec. 65.0003. OUTREACH CAMPAIGNS. To implement the border		
29	public health initiative described by Section 65.0002, the		
30	department shall conduct bilingual, culturally appropriate		

1	outreach campaigns in consultation and collaboration with		
2	appropriate individuals and entities that may include:		
3	(1) promotoras and community health workers;		
4	(2) academic centers located in border counties;		
5	(3) nonprofit organizations;		
6	(4) public schools;		
7	(5) public and private health care providers and		
8	hospitals;		
9	(6) worksite wellness programs;		
10	(7) local business and health care providers that		
11	provide early detection of prediabetes, prehypertension, and		
12	obesity; and		
13	(8) other local entities, as the department determines		
14	appropriate.		
15	Sec. 65.0004. REPORT. Not later than January 1, 2023, the		
16	department shall prepare and electronically submit to the		
17	lieutenant governor, the speaker of the house of representatives,		
18	and the legislature a report describing:		
19	(1) health outcomes and health care savings resulting		
20	from prevention, screenings, and treatment of chronic diseases		
21	under the border public health initiative; and		
22	(2) other relevant findings, as determined by the		
23	department, resulting from the border public health initiative.		
24	Sec. 65.0005. EXPIRATION. This chapter expires December 31,		
25	<u>2031.</u>		
26	SECTION Chapter 81, Health and Safety Code, is amended by		
27	adding Subchapter K to read as follows:		
28	SUBCHAPTER K. HEALTH PROFESSIONAL CONTINUING EDUCATION TO		
29	ADDRESS COMMUNICABLE AND OTHER DISEASES IN BORDER COUNTIES		
30	Sec. 81.451. DEFINITIONS. In this subchapter:		
31	(1) "Community health worker" has the meaning assigned 4 19.142.88 SRA		
	TJ.142.00 SKA		

1	by Section 48.001.
2	(2) "Health professional" means an individual whose:
3	(A) vocation or profession is directly or
4	indirectly related to the maintenance of the health of another
5	individual; and
6	(B) duties require a specified amount of formal
7	education and may require a special examination, certificate or
8	license, or membership in a regional or national association.
9	(3) "HIV" means human immunodeficiency virus.
10	Sec. 81.452. APPLICABILITY OF SUBCHAPTER. This subchapter
11	applies only to a county adjacent to the international border with
12	Mexico.
13	Sec. 81.453. HEALTH PROFESSIONAL CONTINUING EDUCATION.
14	(a) To the extent funds are available, the department, in
15	collaboration with health authorities, local health departments,
16	and public health districts, shall provide to community health
17	workers, health professionals, and applicable employees of a local
18	health department or public health district continuing education
19	designed to reduce the incidence of communicable and other diseases
20	in counties described by Section 81.452.
21	(b) The continuing education described by Subsection (a) may
22	address:
23	(1) the diagnosis and treatment of communicable and
24	other diseases, including:
25	(A) tuberculosis, tuberculosis meningitis,
26	multidrug resistant tuberculosis, and tuberculosis and HIV
27	coinfections;
28	(B) sexually transmitted diseases and HIV; and
29	(C) liver diseases;
30	(2) methods for increasing pediatric and adult
31	<pre>immunization rates;</pre>

- 1 (3) strategies for improving health care system
  2 operations related to public health, including identifying,
- 3 monitoring, tracking, and responding to communicable and other
- 4 diseases occurring in the counties described by Section 81.452;
- 5 and
- 6 (4) any other matter that the department determines
- 7 will assist health professionals, local health departments, and
- 8 public health districts with addressing public health challenges
- 9 existing in those counties.
- 10 (c) The department shall identify and assess the
- 11 accessibility of continuing education resources and programs for
- 12 local health departments in counties described by Section 81.452
- 13 that may provide the continuing education described by this
- 14 section.
- Sec. 81.454. FUNDING. (a) The department may solicit or
- 16 accept gifts, grants, or donations to fund health professional
- 17 continuing education under this subchapter.
- (b) The department shall collaborate with state and federal
- 19 agencies, nonprofit organizations, public and private hospitals,
- 20 <u>institutions</u> of higher education, and the private sector to
- 21 identify, apply for, and solicit sources of funding for health
- 22 professional continuing education under this subchapter.
- SECTION \_\_. Subtitle D, Title 2, Health and Safety Code, is
- 24 amended by adding Chapter 90 to read as follows:
- 25 CHAPTER 90. DEMONSTRATION PROGRAMS ADDRESSING CHILDHOOD OBESITY
- AND CHRONIC DISEASE IN CERTAIN BORDER COUNTIES
- Sec. 90.0001. DEFINITION. In this chapter, "border county"
- 28 means a county adjacent to this state's international border with
- 29 Mexico.
- 30 Sec. 90.0002. ESTABLISHMENT. The department shall establish
- 31 the childhood obesity prevention demonstration program and the

[P.17]

- 1 chronic disease prevention demonstration program under this
- 2 chapter in counties that:
- 3 (1) are adjacent to the international border with
- 4 Mexico; and
- 5 (2) have a population of less than 800,000 and more than
- 6 400,000.
- 7 Sec. 90.0003. CHILDHOOD OBESITY PREVENTION DEMONSTRATION
- 8 PROGRAM. (a) To the extent funds are available, the department
- 9 shall develop and implement a school-based demonstration program
- 10 to address childhood obesity and related chronic diseases in each
- 11 county to which this chapter applies.
- (b) The demonstration program must be evidence-based and
- 13 culturally appropriate.
- 14 <u>(c)</u> In developing the childhood obesity prevention
- demonstration program under Subsection (a), the department shall
- 16 prioritize appropriate collaborations with:
- 17 (1) medical professionals specializing in obesity
- 18 prevention;
- (2) experts in public health;
- 20 (3) representatives of health science centers;
- 21 (4) experts in public and higher education;
- 22 (5) representatives of local school health advisory
- 23 councils;
- 24 (6) interested parties from the counties participating
- 25 in the program;
- 26 (7) a representative from the Texas Education Agency;
- 27 (8) a representative from the Texas Higher Education
- 28 Coordinating Board; and
- 29 (9) representatives from other appropriate state
- 30 agencies.

- Sec. 90.0004. CHRONIC DISEASE PREVENTION DEMONSTRATION
- 2 PROGRAM. (a) To the extent funds are available, the department
- 3 <u>shall establish a chronic disease prevention demonstration program</u>
- 4 for adults residing in each county to which this chapter applies.
- 5 (b) In establishing the chronic disease prevention
- 6 demonstration program under Subsection (a), the department shall
- 7 prioritize appropriate collaboration with:
- 8 (1) medical professionals specializing in chronic
- 9 disease treatment;
- 10 (2) representatives from hospitals licensed under
- 11 <u>Chapter 241;</u>
- 12 (3) representatives from academic centers located in
- 13 border counties; and
- 14 (4) a representative from a medical school in the
- 15 <u>immediate border region.</u>
- Sec. 90.0005. RECOMMENDATIONS FOR SCHOOLS AND OTHER ENTITIES.
- 17 The department, based on the results of the demonstration programs
- 18 <u>established under this chapter</u>, shall share the strategies, best
- 19 practices, and recommendations the department determines are
- 20 successful in addressing childhood obesity and chronic disease
- 21 prevention with public schools and other appropriate entities in
- 22 each county to which this chapter applies.
- Sec. 90.0006. EVALUATION. The department shall evaluate the
- 24 <u>effectiveness</u> of the demonstration programs established under this
- 25 <u>chapter not later than September 1, 2029.</u>
- Sec. 90.0007. REPORT. Not later than November 1, 2029, the
- 27 department shall submit a written or electronic report on the
- 28 demonstration programs established under this chapter to the
- 29 lieutenant governor, the speaker of the house of representatives,
- and each member of the legislature. The report must include:
- (1) a summary of the programs;

- 1 (2) an evaluation of the effectiveness of the programs;
- 2 and
- 3 (3) recommendations on whether the programs should be
- 4 continued, expanded to other border counties, or terminated.
- 5 Sec. 90.0008. RULES. The executive commissioner shall adopt
- 6 rules as necessary to implement this chapter.
- 7 SECTION . Subchapter A, Chapter 121, Health and Safety Code,
- 8 is amended by adding Section 121.0055 to read as follows:
- 9 Sec. 121.0055. SANITARIAN RECRUITMENT AND RETENTION PROGRAM
- 10 IN BORDER COUNTIES. (a) This section applies only to a local health
- 11 unit, local health department, or public health district that is:
- (1) located in a county along the international border
- 13 with Mexico; and
- (2) affiliated with the department under Section
- 15 121.005.
- (b) To the extent funds are available, the department shall
- develop a program under which the department:
- (1) provides grants to local health units, local health
- 19 departments, and public health districts to improve recruitment
- 20 and retention of sanitarians registered under Chapter 1953,
- 21 Occupations Code; and
- (2) expands opportunities for training and registration
- of sanitarians to improve disease response and prevent foodborne,
- 24 waterborne, vector-borne, and zoonotic diseases.
- 25 <u>(c) The department shall administer the grant program</u>
- 26 described by Subsection (b) in coordination with local health
- 27 units, local health departments, public health districts, and
- 28 appropriate state agencies, federal agencies, nonprofit
- 29 organizations, public and private hospitals, institutions of
- 30 higher education, and other private entities.

1 (d) The department may provide a grant under Subsection (b) 2 only in accordance with a contract between the department and the 3 recipient. The contract must include provisions under which the 4 department is granted sufficient control to ensure the public 5 purpose of improved public health is accomplished and the state 6 receives the return benefit. (e) The department may solicit and accept gifts, grants, and 7 8 donations to operate the program established under this section. 9 The department shall coordinate with appropriate state agencies, 10 federal agencies, nonprofit organizations, public and private 11 hospitals, institutions of higher education, and other private 12 entities in identifying and soliciting funding to implement this 13 section. SECTION \_\_. Chapter 161, Health and Safety Code, is amended 14 15 by adding Subchapter X to read as follows: SUBCHAPTER X. BORDER PUBLIC HEALTH RESPONSE TEAM 16 17 Sec. 161.701. DEFINITIONS. In this subchapter: (1) "Border county" means a county adjacent to the 18 19 international border with Mexico. 20 (2) "Disaster" has the meaning assigned by Section 21 418.004, Government Code. The term includes a state of disaster 22 declared by: 23 (A) the president of the United States under the 24 Robert T. Stafford Disaster Relief and Emergency Assistance Act 25 (42 U.S.C. Section 5121 et seq.); 26 (B) the governor under Section 418.014, Government 27 Code; or 28 (C) the presiding officer of the governing body of 29 a political subdivision under Section 418.108, Government Code. 30 (3) "Response team" means the border public health 31 response team established under Section 161.702.

10

- 1 (4) "Sanitarian" has the meaning assigned by Section
- 2 1953.001, Occupations Code.
- 3 Sec. 161.702. BORDER PUBLIC HEALTH RESPONSE TEAM. The
- 4 department shall establish a border public health response team to
- 5 deploy in response to public health threats declared by the
- 6 commissioner and declared disasters in border counties.
- 7 Sec. 161.703. COMPOSITION OF RESPONSE TEAM. The response team
- 8 may be composed of the following members appointed by the
- 9 commissioner:
- 10 <u>(1) an epidemiologist;</u>
- 11 <u>(2)</u> a sanitarian;
- (3) a nurse;
- 13 (4) a public health specialist; and
- 14 (5) any other person the commissioner considers
- 15 appropriate.
- Sec. 161.704. DEPARTMENT DUTIES. (a) The department, in
- 17 consultation with the response team, shall, as necessary, enter
- 18 into memoranda of understanding with other state agencies to
- develop policies, plans, and procedures to facilitate an effective
- 20 <u>response to a declared public health threat or disaster.</u>
- 21 (b) The department shall provide, or contract to provide,
- 22 training, equipment, and support staff to the response team to
- 23 enhance the team's response efforts, as appropriate.
- Sec. 161.705. RESPONSE TEAM DUTIES. During a declared public
- 25 health threat or disaster in a border county, the response team
- 26 shall, as appropriate:
- 27 <u>(1) assess health infrastructure and response</u>
- 28 capabilities for the threat or disaster in a border county;
- (2) develop appropriate responses for the threat or
- 30 disaster in a border county; and

- 1 (3) address language, cultural, and environmental
- 2 factors that are unique to responding to the threat or disaster in
- 3 a border county.
- Sec. 161.706. FUNDING. (a) The department shall coordinate
- 5 with the commission, the office of the governor, the federal
- 6 government, and any other appropriate entity for funding to support
- 7 the response team's activities.
- 8 (b) The department may accept on behalf of the response team
- 9 a gift, grant, or donation from any source to carry out the
- 10 purposes of this subchapter.
- 11 SECTION \_\_. Not later than December 1, 2019, the Department
- 12 of State Health Services shall establish the border public health
- 13 response team as required by Subchapter X, Chapter 161, Health and
- 14 Safety Code, as added by this Act.
- 15 SECTION \_\_. The Department of State Health Services is
- 16 required to implement a provision of this Act only if the
- 17 legislature appropriates money specifically for that purpose. If
- 18 the legislature does not appropriate money specifically for that
- 19 purpose, the department may, but is not required to, implement a
- 20 provision of this Act using other appropriations available for
- 21 that purpose.

# LEGISLATIVE BUDGET BOARD Austin, Texas

### FISCAL NOTE, 86TH LEGISLATIVE REGULAR SESSION

May 23, 2019

TO: Honorable Dennis Bonnen, Speaker of the House, House of Representatives

FROM: John McGeady, Assistant Director Sarah Keyton, Assistant Director Legislative Budget Board

IN RE: HB1669 by Lucio III (Relating to increasing and improving the mental health and substance use disorder workforce in this state and increasing the capacity of local mental health authorities to provide access to mental health services in certain counties.), As Passed 2nd House

Estimated Two-year Net Impact to General Revenue Related Funds for HB1669, As Passed 2nd House: a negative impact of (\$4,506,504) through the biennium ending August 31, 2021.

Depending upon the recommendations of the comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues, there may be a further indeterminate negative fiscal impact to the state.

The bill would make no appropriation but could provide the legal basis for an appropriation of funds to implement the provisions of the bill. The Department of State Health Services and Health and Human Services Commission is required to implement a provision of this Act only if the legislature appropriates money specifically for that purpose. If the legislature does not appropriate money specifically for that purpose, the agencies may, but are not required to, implement a provision of this Act using other appropriations available for that purpose.

### General Revenue-Related Funds, Five-Year Impact:

Fiscal Year	Probable Net Positive/(Negative) Impact to General Revenue Related Funds
2020	(\$2,212,846)
2021	(\$2,293,658)
2022	(\$1,982,539)
2023	(\$1,982,539)
2024	(\$1,982,539)

### All Funds, Five-Year Impact:

Fiscal Year	Probable Savings/(Cost) from General Revenue Fund 1	Probable Savings/(Cost) from HIV REBATES ACCOUNT NO. 8149 8149	Probable Savings/(Cost) from Federal Funds 555	Change in Number of State Employees from FY 2019
2020	(\$2,212,846)	(\$55,079)	(\$29,861)	10.3
2021	(\$2,293,658)	(\$58,190)	(\$29,861)	10.3
2022	(\$1,982,539)	(\$58,190)	\$0	7.0
2023	(\$1,982,539)	(\$58,190)	\$0	7.0
2024	(\$1,982,539)	(\$58,190)	\$0	7.0

### **Fiscal Analysis**

The bill would require the Health and Human Services Commission (HHSC) to assign local mental health authorities (LMHAs) that are located in or serve a county with a population of 250,000 or less into regional groups no later than January 1, 2020. The bill would require HHSC to develop a mental health services development plan for each regional group that will increase the capacity of the LMHAs in the group. The bill would require HHSC to publish each plan, an evaluation of each plan, and a comprehensive statewide analysis of mental health services in counties with a population of 250,000 or less, on its website no later than December 1, 2020. The section of the bill requiring these plans expires September 1, 2021. The bill would require HHSC to develop and implement a comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues.

The bill would require the executive commissioner of HHSC to develop more fully educate related staff, residents, clients and guardians on certain information and specify processes and procedures related to state supported living centers. The executive commissioner would also be required to develop standards for related staff that is competency-based and in an interactive manner.

The bill would amend the Health and Safety Code to require the Department of State Health Services (DSHS) to prepare and submit a report to the legislature on public laboratories in counties that are adjacent to an international border by September 1, 2020. The bill would require DSHS to collaborate with local health departments and public and private laboratories to collect information and develop recommendations for the report. The bill would require DSHS, using available resources as determined by DSHS, to 1) enter into local agreements with institutions of higher education and public and private testing laboratories to increase the availability of public health laboratory services for local health departments and 2) provide year-round laboratory support access for vector-borne infectious diseases in certain counties that are most at risk for year-round outbreaks.

The bill would amend the Health and Safety Code to require DSHS to develop an initiative to reduce the adverse health impacts of diabetes, hypertension, and obesity for adults and children in border counties. The bill would allow DSHS to consult and collaborate with other health and human services agencies; other appropriate state and federal agencies; health science centers and medical schools; and public and private health care providers and hospitals. The bill would also require DSHS to conduct bilingual, culturally appropriate outreach campaigns in consultation and collaboration with appropriate individuals and entities. The bill would require DSHS to prepare and submit a report to the lieutenant governor, the speaker, and the legislature describing health outcomes and health care saving from the border public health initiative, and other relevant findings by January 1, 2023.

The bill would amend the Health and Safety Code to require DSHS, to the extent funding is available, to collaborate with health authorities, local health departments, and public health districts to provide continuing education designed to reduce the incidence of communicable and other diseases to community health workers, health professionals, and applicable employees in counties along the international border with Mexico. The bill would require DSHS to identify and assess the accessibility of continuing education resources and programs for applicable counties. The bill would allow DSHS to solicit or accept gifts, grants, and donations for health professional continuing education. The bill would also require DSHS to collaborate with appropriate entities to identify, apply for, and solicit funding.

The bill would amend the Health and Safety Code to require DSHS to establish the childhood obesity prevention demonstration program and the chronic disease prevention demonstration program in counties that are adjacent to an international border and have a population between 400,000 and 800,000. The bill would require DSHS, to the extent that funding is available, 1) to develop and implement a school-based demonstration program to address childhood obesity and related chronic diseases; 2) establish a chronic disease prevention demonstration program for adults; and 3) share the strategies, best practices, and recommendations DSHS determined to be successful in addressing childhood obesity and chronic disease prevention with public schools and other appropriate entities. The bill would require DSHS to evaluate the effectiveness of the demonstration programs by September 1, 2029. The bill would also require DSHS to submit a report on the demonstration programs to the lieutenant governor, the speaker, and each member of the legislature before November 1, 2029. The bill would require the executive commissioner of HHSC to adopt rules as necessary to implement the demonstration programs.

The bill would amend the Health and Safety Code to require DSHS, to the extent funding is available, to develop a program in counties along the international border with Mexico that 1) provides grants to local health units, local health departments, or public health districts to improve the recruitment and retention of sanitarians; and 2) expands opportunities for training and registration of sanitarians to improve disease response and prevent foodborne, waterborne, vector-borne, and zoonotic diseases. The bill would allow DSHS to solicit or accept gifts, grants, and donations to operate the program. The bill would also require DSHS to coordinate with appropriate entities to identify and solicit funding to administer the grant program. The bill would also require DSHS to coordinate with appropriate entities to identify and solicit funding to administer the grant program.

The bill would amend the Health and Safety Code to require DSHS to establish a border public health response team to deploy in response to public health threats declared by the commissioner of DSHS and disasters declared in counties adjacent to the international border with Mexico by December 1, 2019. The bill would require DSHS to consult with other state agencies to develop policies, plans, and procedures to facilitate an effective response. The bill would also require DSHS to provide training, equipment, and support staff to the response team. The bill would require DSHS to coordinate with appropriate state and federal entities for funding to support the response team's activities. The bill would also allow DSHS to accept gifts, grants, and donations to carry out the purposes of the response team.

### Methodology

Based on the Legislative Budget Board's analysis of the Health and Human Services Commission estimates, it is assumed that costs associated with developing the comprehensive plan to increase and improve workforce in the state could be absorbed using existing resources. There could be an indeterminate fiscal impact to the state to implement the plan depending on the plan's

recommendations to increase and improve the workforce. To develop and publish each mental health services development plan, it is assumed HHSC would need to hire 3.0 Program Specialist VI to assist with developing and analysis of the plans and to assist with data analysis and program oversight. It is also assumed HHSC would need to hire 0.3 Research Specialist V to assist with data analysis and reporting requirements. Costs associated with the additional full-time equivalents (FTEs) would be \$377,990 in fiscal year 2020 and \$387,806 in fiscal year 2021. This analysis assumes the associated costs would expire September 1, 2021.

Based on the Legislative Budget Board's analysis of the Health and Human Services Commission, it is assumed that the provisions of the bill relating to state supported living centers could be absorbed using existing resources.

Under the provisions of the bill, the Department of State Health Services (DSHS) would prepare and submit a report to the legislature about public laboratories in counties that are adjacent to an international border. DSHS assumes they would use existing collaborations with local health departments to gather information required for the report. Under the provisions of the bill, DSHS would enter into an agreement with institutions of higher education and public and private testing laboratories to increase the availability of public health laboratory services for local health departments in counties adjacent to an international border. Currently, only DSHS meets protocols that ensure confidentially of the laboratory testing and provides laboratory testing for human and nonhuman specimens in the border counties. The costs related to entering into agreements with institutions for higher education, and public and private testing laboratories to enhance laboratory testing capacity, cannot be determined but is assumed to be significant because new agreements would accelerate testing capacity and increase testing volume at an unknown amount. Under the provisions of the bill, DSHS would be required to provide year-round access to laboratory testing for vector-borne diseases in certain counties. Currently, DSHS provides support for arboviral testing of vector-borne infectious diseases for 7 months of the year, from May to November, for 4 border counties. The bill would require expansion of support and testing for 5 additional months and to 8 new counties. According to the agency, additional FTEs including 1.0 Molecular Biologist III to perform testing of mosquito pools and human samples for detection of disease; 1.0 Microbiologist I to assess specimen for proper shipping and receipt according to specimen submission criteria; 1.0 Administrative Assistant III to maintain specimen databases; and 1.0 Epidemiologist II to educate counties about trapping, specimen collection, and analyze testing results would be needed to implement the provisions of the bill. The cost for 4.0 FTEs would be \$197,841 in fiscal year 2020 and \$263,788 in each subsequent fiscal year. An additional \$134,570 in other operating expenses, including rent, travel, and supplies that would be needed in fiscal year 2020 and \$141,376 in each subsequent fiscal year for this purpose. DSHS indicated that additional costs for chemicals and supplies to perform testing would be \$59,960 for each fiscal year.

Currently, DSHS operates the Community and Clinical Health Bridge (CCHB) Initiative program in six counties statewide, including two border counties. The CCHB program includes initiatives to promote 1) educational resources designed to prevent diabetes, hypertension, and obesity for adults and children; 2) screenings for persons at risk for those conditions; and 3) referrals to and treatment by health care providers. Under the provisions of the bill, DSHS would be required to develop an initiative to reduce the adverse health impacts of diabetes, hypertension, and obesity in border counties. DSHS estimates there are four additional border counties with a high obesity prevalence and local health department or public health organization infrastructure support the CCHB program activities. According to the agency, they would contract with the local health department or other organization in the four additional border counties to implement the CCHB program activities at a cost of \$500,000 each fiscal year. DSHS estimates that an additional \$80,000 per year would be required to implement outreach campaigns through the contracts with

the four counties.

Under the provisions of the bill, DSHS would be required to collaborate with health authorities, local health departments, and public health districts to provide continuing education to reduce the incident of communicable and other diseases. According to the agency, an additional \$150,000 would be needed to contract with six city and county public health departments at a cost of \$25,000 each to provide continuing education to counties along the international border with Mexico. Currently, DSHS provides continuing education through webinars, conferences, and online disease prevention modules. However, in counties along the international border with Mexico where there is no local health department, DSHS would assume responsibility for continuing education. This analysis assumes an additional 1.0 FTE to provide program oversight, management of contracts, and provide continuing education would be needed to implement the provisions of the bill. The cost for 1.0 FTE would be \$56,268 in fiscal year 2020 and \$75,024 in each subsequent fiscal year. An additional \$65,006 in other operating expenses, including rent, travel, and supplies that would be needed in fiscal year 2020 and \$61,808 in each subsequent fiscal year for this purpose.

Under the provisions of the bill, DSHS would develop and implement a school-based demonstration program to address childhood obesity and related chronic diseases in Cameron County. DSHS assumes an additional 1.0 FTE and \$25,000 each fiscal year for development training materials to implement this program. The cost for 1.0 FTE would be \$60,185 in fiscal year 2020 and \$80,247 in each subsequent fiscal year. An additional \$97,391 in other operating expenses, including rent, travel, and supplies that would be needed in fiscal year 2020 and \$94,428 in each subsequent fiscal year for this purpose. Under the provisions of the bill, DSHS would establish a chronic disease prevention demonstration program for adults. DSHS assumes they would contract with the local health department or other health organization in Cameron County at a cost of \$250,000 each fiscal year to implement the program. Under the provisions of the bill, DSHS would share the strategies, best practices, and recommendations DSHS determined to be successful in addressing childhood obesity and chronic disease prevention with public schools and other appropriate entities. DSHS assumes they would contract with a university or other organization in Cameron County at a cost of \$50,000 each fiscal year to evaluate the effectiveness of the demonstration programs.

Under the provisions of the bill, DSHS would be required to coordinate with health authorities, local health departments, and public health districts to administer the grant program to improve the recruitment and retention of sanitarians and expand training opportunities. According to the agency, an additional \$60,000 would be needed to award six contracts to local health units, local health departments, or public health districts at a cost of \$10,000 each to provide continuing education and expand training to counties along the international border with Mexico. This analysis assumes an additional 1.0 FTE to provide grant management and oversite to grantees; coordinate technical support to local jurisdictions on training needs; and manage continuing education training support would be needed to implement the provisions of the bill. The cost for 1.0 FTE would be \$56,268 in fiscal year 2020 and \$75,024 in each subsequent fiscal year. An additional \$52,839 in other operating expenses, including rent, travel, and supplies that would be needed in fiscal year 2020 and \$49,636 in each subsequent fiscal year for this purpose.

This analysis assumes the provisions of the bill related to the establishment of a border public health response team can be implemented using existing resources.

The estimated total to comply with the provisions of the bill would be \$2.3 million in fiscal year 2020 and fiscal year 2021 and \$2.0 million in each subsequent fiscal year.

### **Technology**

Technology costs are estimated to be \$28,861 in the first year for Data Center Services (DCS), hardware, and software and \$28,826 in each subsequent fiscal year for the same purposes.

### **Local Government Impact**

The fiscal implications of the bill cannot be determined at this time.

### **Source Agencies:**

LBB Staff: WP, AKi

## LEGISLATIVE BUDGET BOARD Austin, Texas

#### FISCAL NOTE, 86TH LEGISLATIVE REGULAR SESSION

#### May 18, 2019

TO: Honorable Lois W. Kolkhorst, Chair, Senate Committee on Health & Human Services

**FROM:** John McGeady, Assistant Director Sarah Keyton, Assistant Director

Legislative Budget Board

IN RE: HB1669 by Lucio III (Relating to increasing and improving the mental health and substance use disorder workforce in this state and increasing the capacity of local mental health authorities to provide access to mental health services in certain counties.), Committee Report 2nd House, Substituted

Depending upon the recommendations of the comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues, there may be an indeterminate negative fiscal impact to the state.

The bill would make no appropriation but could provide the legal basis for an appropriation of funds to implement the provisions of the bill. The Health and Human Services Commission is required to implement a provision of this Act only if the legislature appropriates money specifically for that purpose. If the legislature does not appropriate money specifically for that purpose, the commission may, but is not required to, implement a provision of this Act using other appropriations available for that purpose.

The bill would require the Health and Human Services Commission (HHSC) to assign local mental health authorities (LMHAs) that are located in or serve a county with a population of 250,000 or less into regional groups no later than January 1, 2020. The bill would require HHSC to develop a mental health services development plan for each regional group that will increase the capacity of the LMHAs in the group. The bill would require HHSC to publish each plan, an evaluation of each plan, and a comprehensive statewide analysis of mental health services in counties with a population of 250,000 or less, on its website no later than December 1, 2020. The section of the bill requiring these plans expires September 1, 2021. The bill would require the Health and Human Services Commission to develop and implement a comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues. The bill would take effect September 1, 2019.

Based on the Legislative Budget Board's analysis of the Health and Human Services Commission, it is assumed that costs associated with developing the comprehensive plan to increase and improve workforce in the state could be absorbed using existing resources. There could be an indeterminate fiscal impact to the state to implement the plan depending on the plan's recommendations to increase and improve the workforce.

To develop and publish each mental health services development plan, it is assumed HHSC would need to hire 3.0 Program Specialist VI to assist with developing and analysis of the plans and to assist with data analysis and program oversight. It is also assumed HHSC would need to hire 0.3

Research Specialist V to assist with data analysis and reporting requirements. Costs associated with the additional FTEs would be \$377,990 in fiscal year 2020 and \$387,806 in fiscal year 2021. This analysis assumes the associated costs would expire September 1, 2021.

### **Local Government Impact**

The fiscal implications of the bill cannot be determined at this time

**Source Agencies:** 

LBB Staff: WP, AKi, EP, SB

# LEGISLATIVE BUDGET BOARD Austin, Texas

### FISCAL NOTE, 86TH LEGISLATIVE REGULAR SESSION

### May 7, 2019

TO: Honorable Lois W. Kolkhorst, Chair, Senate Committee on Health & Human Services

FROM: John McGeady, Assistant Director Sarah Keyton, Assistant Director

Legislative Budget Board

IN RE: HB1669 by Lucio III (Relating to a comprehensive plan for increasing and improving the workforce in this state that serves persons with mental health and substance use issues.), As Engrossed

Depending upon the recommendations of the comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues, there may be an indeterminate negative fiscal impact to the state.

The bill would amend Chapter 531 of the Government Code to require the Health and Human Services Commission to develop and implement a comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues. The bill would take effect September 1, 2019.

Based on the Legislative Budget Board's analysis of the Health and Human Services Commission, it is assumed that costs associated with developing the comprehensive plan could be absorbed using existing resources. There could be an indeterminate fiscal impact to the state to implement the plan depending on the plan's recommendations to increase and improve the workforce.

### **Local Government Impact**

The fiscal implications of the bill cannot be determined at this time

Source Agencies: 529 Health and Human Services Commission

LBB Staff: WP, AKi, EP, SB

# LEGISLATIVE BUDGET BOARD Austin, Texas

### FISCAL NOTE, 86TH LEGISLATIVE REGULAR SESSION

### April 9, 2019

TO: Honorable Senfronia Thompson, Chair, House Committee on Public Health

FROM: John McGeady, Assistant Director Sarah Keyton, Assistant Director

Legislative Budget Board

IN RE: HB1669 by Lucio III (Relating to a comprehensive plan for increasing and improving the workforce in this state that serves persons with mental health and substance use issues.),

As Introduced

Depending upon the recommendations of the comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues, there may be an indeterminate negative fiscal impact to the state.

The bill would amend Chapter 531 of the Government Code to require the Health and Human Services Commission to develop and implement a comprehensive plan to increase and improve the workforce in this state that serves individuals with mental health and substance use issues. The bill would take effect September 1, 2019.

Based on the Legislative Budget Board's analysis of the Health and Human Services Commission, it is assumed that costs associated with developing the comprehensive plan could be absorbed using existing resources. There could be an indeterminate fiscal impact to the state to implement the plan depending on the plan's recommendations to increase and improve the workforce.

#### **Local Government Impact**

The fiscal implications of the bill cannot be determined at this time

**Source Agencies:** 529 Health and Human Services Commission

LBB Staff: WP, AKi, EP, SB